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Index to Advertisers, p. 5.

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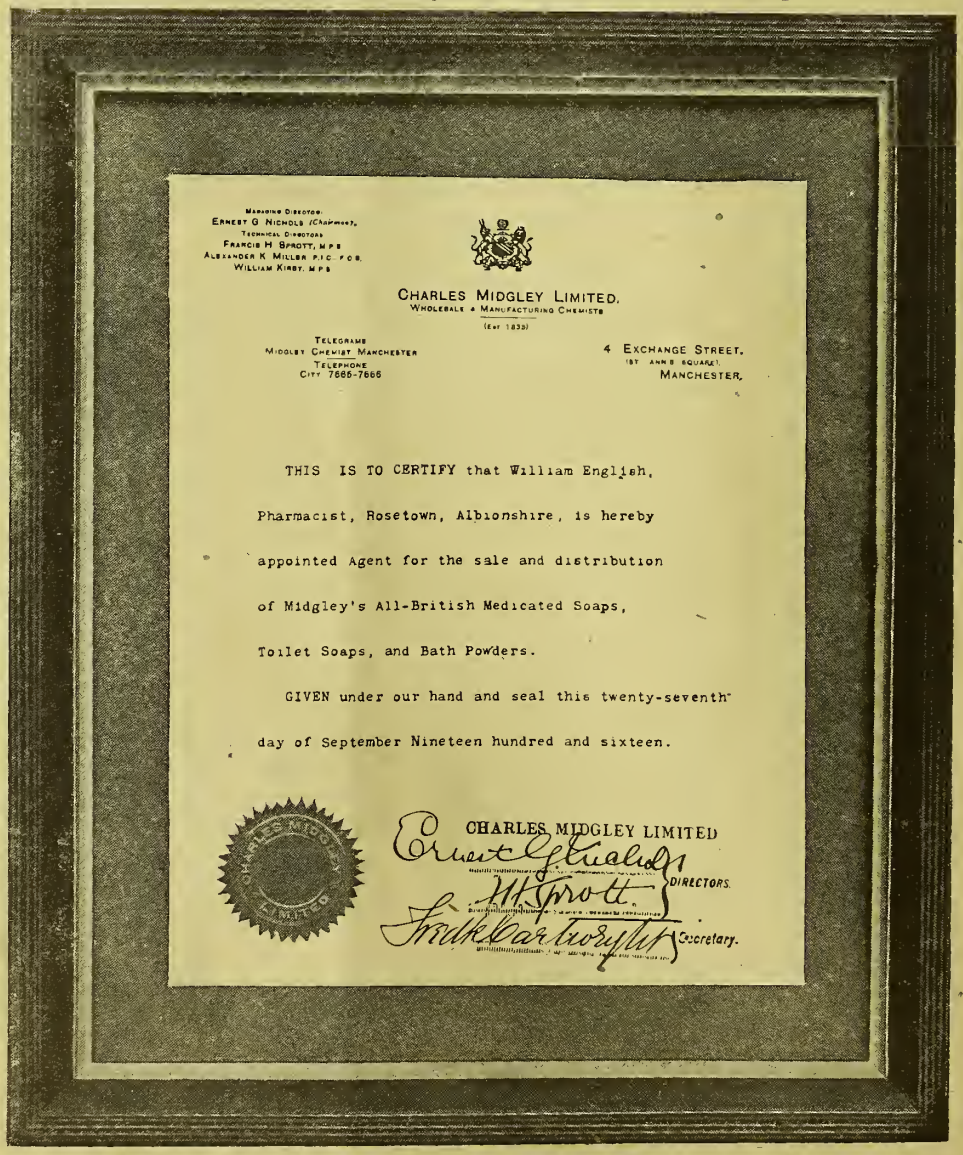

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INDEX TO ADVERTISERS IN THIS ISSUE.

The Arabic numerals (1 to 32) in this Index refer to Advertisements in the front of literary pages, the Advertisements following the literary pages are numbered in Roman numerals (i to xxviii)

For more complete Buyers' Guide see "The Chemist & Druggist" Diary, 1917.

ACME CHEMICAL CO. Weed Killers, &c. xxvii
AERATORS, Ld., Sparklets, Vacuum Flasks 14
ALLCOCK MANUFACTURING CO., Plasters, &c. xxv
ALLEN, STAFFORD, & SONS, Ld., Essential Oils ..... Cover
ALLIANCE DRUG & CHEMICAL CO., Drugs, Chemicals xi
AMERICAN BUREAU OF FOREIGN TRADE vi
AMSTERDAM QUININE WORKS, Quinine xvi
ANGLO-FRENCH DRUG CO., Ld., French Props. vii
ANZORA PERFUMERY CO., Hair Preparations 24
BAKER, PERCY F., Camel-hair Brushes ..... Col. Supp.
BANDOENG QUININE FACTORIES, Quinine Salts xvii
BATTAM & HEYWOOD, Valuers, &c ..... Col. Supp.
BELL, JOHN, HILLS & LUCAS, Ld., Pharmaceutical Preps., &c. ..... Cover
BENGOL TRADING CO., Chemicals xvi
BERDOE & FISH, Chemists' Valuers, &c. ..... Col. Supp
BLYTHE, W. & CO., Ld., Epsom Salts, Zinc Sulphate xii
BOAKE ROBERTS A., & CO., Ld., Chemicals, Essences 15
BOEHM F., Ld., Chemicals, Olive Oil, Essential Oils xv
BOMBAY AGENTS' CO., East Indian Agencies xxv
BOND'S MARKING INK, "Crystal Palace" Brand 28
BRITISH CELLULOSE & CHEMICAL MNFG. CO., Ld., Acetic Anhydride viii
BRITISH DRUG HOUSES, Ld., Chemicals, Pharmaceuticals, Foods, &c. 32
BRITISH MILK PRODUCTS CO., Ld., Foods 12
BROWN, B., & BRO., Drugs, Chemicals, Vegetable Oils xv
BULL, D. W., Paper xxvi
BURGE, WARREN & RIDGLEY, Ld., India-Rubber Goods, Air Cushions, Anti-Rheumatic Rings xx
BURNSIDE & CO., Eucalyptus Oil x
BURROUGH, J., Ld., Absolute Alcohol ..... Text
BURROUGHS WELLCOME & CO., 'Tabloid' Preps. 31
BURT, BOULTON & HAYWOOD, Ld., Disinfectants, Sheep Dips ..... Cover
BUSH, W. J., & CO., Ld., Essences, &c. ..... Cover
BUTLER, E. H., & SON, Acetanilide, Aniline Dyes xv
CADBURY BROS., Ld., Cocoa ..... Cover
CAMWAL Ld., Mineral and Aerated Waters 16
CARNEGIE BROS., Chemicals, Surgical Dressings xxii
CHATELAIN, J. L., French Medicinal Proprietaries v
CHESTER, A. D., & CO., Ld., Chemicals xix
CHRISTY, T., & CO., Toilet Articles, Tartar Remover, &c. xxvi
COLEMAN & CO., Ld., Tonic and Medicated Wines 18
CONDY & MITCHELL, Ld., Disinfectants 1
COOK, E., & CO., Ld., Soaps, Perfumery, &c. 25
COOPER, SON & CO., Ld., Cachets xxvi
COX, A. H., & CO., Pills, Tablets 1
CROOKES' LABORATORIES, Collosols ..... Text
CUXSON, GERRARD & CO., Ld., Surgical Dressings, &c. 27
DARTON, F., & CO., Optical and Scientific Goods 7
DEE OIL CO., Ld., Petroleum Jellies 20
DENOUAL, J., & CO., Capsules, Lozenges xxii
DUDLEY & CO., Shopfittings 30
ELEY BROS., Ld., Nickelled Shaving Stick Tubes, &c. 26
ELLISON, H. Ld., Disinfectants xxvi
ELT'S COLLEGE, Educational 6
EVAN WILLIAMS CO., Henna Shampoo 13
FABRA CO., Ld., Chemicals xvi
FAIRCHILD BROS. & FOSTER, Digestive Products, &c. Cover
FARRIS, CHARLES, Beeswax, Spermaceti, White Oils 10
FARROW & CO., Glass Bottles xxi
FASSETT & JOHNSON, Absorbent Cotton xxiii
FELLOWS' MEDICAL MFG. CO., Medicinal Syrups i
FINK, F., & CO., Gums xxvi
FLETCHER, FLETCHER & CO., Ld., Liquors ..... 3, Text
FLOREY, HARTLEY, Chemicals xix
FORD, SHAPLAND & CO., Chemists' Printing 19
FRAME FOOD CO., Ld., Foods 12
FRANSES, J. J., & SONS, Waxes 20
FUERST BROS. Chemicals (Pure and Technical) xiii
GALBRAITH R. D., & CO., Castor and Edible Oils 30
GALEN MNFG. CO., Surgical Dressings, Sundries xxvi
GIGNOUX FRERES & CO., French Specialities xiv
GLEW, F. HARRISON, Radium Compound 30
GOLDBERG, I. L., Santonine xiii
GOUGH, KIDSTON & CO., Chemicals x
GOWER, JOHN, Books (Secondhand, &c.) ..... Col. Supp.
GREEFF, R. W., & CO., Chemicals (Fine and Technical) 9
GRIFFIN, J. J., & SON, Ld., Tablet Machines xxiv
HAMMOND JEFFERY & CO., Ld., Chemicals xix
HARLEY T., Rat Poison xxvii
HAY, E. J., & CO., Caramel 30
HIGGIN, Ld., Vulcanite Goods xxvi
HOLT, THOMPSON & CO., Ld., Salicylic Acid iv
HORNE, W. C., Luminous Paint xxvi
HOWARDS & SONS, Ld., Cinchona Preps., Quinine, Sodium Bicarbonate, Fine Chemicals iii
HUBBUCK, THOS., & SON, Ld., Zinc Oxide vi
HUISKING, C. L., American Drugs, Chemicals, &c. xvii
INGRAM, J. G., & SON, India Rubber Goods, Teats xxv
ISAACS, I., & CO., Medical Glassware ..... Col. Supp.
JOB BROS., Cod Liver Oil (Newfoundland) 19
JOHNSON, MATTHEY & CO., Ld., Rare Metals x
JOHNSON & SONS (Mnfg. Chts.), Ld., Fine Chemicals xix
JOSEPHS, PHILIP & SONS, Ld., Shopfittings ..... 2, Col. Supp.
KAY BROS., Ld., Cements, Flycatchers, Proprietaries xxvii
KEENE CO., Chemicals xvi
KEENE'S (Leicester), Cubes 13
KELLAND, W. P., Safety Razors xx
KESSLING (E.) THERMOMETER CO., INC., Clinicals xxi
KIRBY H. & T., & CO., Ld., Aspirin viii
KITCHENER CO., Hat Cleaners 29
KUTNOW, S., & CO., Ld., Saline Preparation 17
LANG, JULES, & SON, Medical & Chemical Glassware xxi
LENNOX FOUNDRY CO., Ld., Chemical Plant xx
LEVERMORE, A., & CO., Ld., Chalk (Precipitated) xxvi
LINTON, HUBBARD & ANDREW, Drugs, Essential Oils viii
LOFTHOUSE & SALTMER, Ld., Foods, Asthma Remedies 29
LONDON COLLEGE OF PHARMACY, Educational 6
M'GLASHAN, D., Fruit Drink 12
McKESSON & ROBBINS, American Drugs ix
MACNAIR, A. & CO., Rectified Spirit, Absolute Alcohol xxvi
MACK, J., Ledger ..... Col. Supp.
MACFARLAN, J. F., & CO., Alkaloids, Chloroform, Emetine Salts, Surgical Dressings ..... Cover
MAGNUS, MABEE & REYNARD INC., Essential Oils vi
MARKT & CO. (London), Ld., Vacuum Flasks 14
MASON BROS. & CHAPMAN, Catheters xvii
MAW, S., SON & SONS, Druggists' Sundries, Packed Goods, Surgical Instruments, Vacuum Flasks 11
MAWSON & CO., Capsules xviii
MEADE-KING, ROBINSON & CO., Petroleum Jellies 20
MIDGLEY, CHAS., Ld., Medicated Soaps 4
MILLAR, A., & CO., Ld., Orange Quinine Wine 18
MILNER'S CHEMICAL CO., Hat Cleaners, Insecticides 28
MOND NICKEL CO., Ld., Copper Sulphate v
MONSANTO CHEMICAL WORKS, Glycerophosphates xiii
MORSON, THOS., & SONS, Ld., Chemicals ii
MUMFORD, G. S., & SONS, Starch Powder, Linseed ..... Text
NALBOROUGH & SONS, Ld., Milk Sugar 12
NATIONAL ANILINE & CHEMICAL CO., Chemicals xxiv
NIEUWHOF, SURIE & CO., Ld., Casein 18
NORTH, V. C., & CO., Acetic Anhydride, Phenacetin xiv
NORTHERN TIN CANISTER WORKS 30
ODOL CHEMICAL WORKS, Dentifrices 26
OLDFIELD, PATTINSON & CO., Pharm. Preps. 5
OURY, MILLAR & CO., Ld., Gelatines 7
PELLIOT, HENRI, & CIE, Citric Acid x
PERRY & HOPE, Ld., Malt Extract Preps. iv
PHARMACEUTICAL LANOLINE CO., Lanoline viii
PICERNO, V. A., Chemicals xiv
PICKARD, IVE & RANKIN, Ld., Acetylsalicylic Acid xxv
POTTER & CLARKE, Ld., Herbs, Asthma Remedies, Crude Drugs, Packed Goods xxiii
PRESTON'S LIVERPOOL DISTILLERY CO., Ld. 28
PRICE'S PATENT CANDLE CO., Ld., Glycerin, Soaps 21
PRIDEAUX'S Ld., Casein 12
RAWORTH, J. E., Patent Agent xxvi
RED BAND CHEMICAL CO., Packed Goods xviii
RICE, WM. S., Ld., Trusses xxiv
RICHFORD, C. D., Rubber Stamps xxvi
RIGAUD-CHAPELLE, French Proprietaries, &c. 23
ROBARTES, Ld., Toilet Specialities 26
ROBERTS' PATENT FILLING MACHINE CO. xxiv
ROQUES, FERDINAND, Alkaloids, Cacodylates xiv
ROSMARINE MNFG. CO., Toilet Preparations 22
RUDD, F. M., Peppermint Oil 30
RUDDUCK & CO., Chemists' Shop Fittings ..... Col. Supp.
SANGERS, Druggists' Sundries, Packed Goods 8
SANITAS CO., Ld., Disinfectants ..... Text
SCHOLL MANUFACTURING CO., Ld., Foot Appliances xxi
SHADEINE CO., Hair Dyes xxvi
SHIRLEY BROS., Ld., Tin Boxes, Packed Goods xxvii
SINGLETON & COLE, Ld., Tobacco and Cigars xxvi
SMITH, T. & H., Ld., Alkaloids, Resins & Resinoids ix
SPARKS, JOHN C., Chemicals x
SQUIRE & SONS, Ld., Pharmaceutical Proprietaries ..... Cover
STOKES, C. A., & CO., Ld., Shaving Sticks 27
SUTTLEY & SILVERLOOK, Ld., Chemists' Printing 6
SWALES, THOMAS, Loofahs, Corn Plasters 22
THERMOS, Ld., Vacuum Flasks 15
TREW, HOOKER & GILBEY, Malted Foods 13
THOMAS CHRIS., & BROS., Cocoa Butter Substitute 19
TIMPSON, JOHN, & CO., Ld., Antiseptic Powder 24
TITTERTON & HOWARD, Brushware (all kinds) 22
TOLKOWSKY, S., Russian Crude Drugs, &c. xii
TOMODA & CO., Japanese Products xii
TOWNSEND, J., & SONS, Chemists' Printing xxii
TOZANA PERFUMERY CO., Toilet Articles 24
VAN HORN & SAWTELL, Surgical Ligatures xxvi
VENESTA, Ld., Tinfoil 29
VERNON & CO., Ld., Surgical Dressings, Lints xxv
VICHY CO., Mineral Waters 18
VISCOSE CO., Ld., Bottle Cappings 24
WAIDE, THOS., & SONS, Chemists, Printing 7
WAND MANUFACTURING CO., Capsules, Pills, Tablets xiv
WARRINGTON CHEM. & DRUG CO., Salicylic Acid x
WASHINGTON CHEMICAL CO., Ld., Magnesia & Salts Cover
WATFORD MANFG. CO., Ld., Soup Cubes 14
WATSON & CO., Photographics ..... Col. Supp.
WEBSTER, T. & CO., Ink Powder 19
WESTMINSTER COLLEGE OF PHARMACY 6
WHIFFEN & SONS, Ld., Emetine Salts, Quinine, &c. xvii
WHITAKER & CO., Hat Dyes 28
WILCOX, JOZEAU & CO., Continental Proprietaries ..... Text
WOOLLEY, JAS., SONS & CO., Ld., Galenicals, Foods Cover
WRIGHT, ARCHD. J., Ld., Electrical Novelties xxiv
ZIMMERMANN, C., & CO. (Chemicals), Ld., Chemicals v
ZOL, Ld., Proprietary xxii

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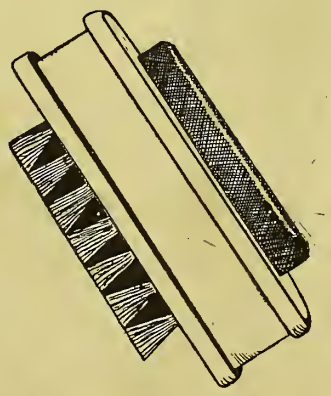

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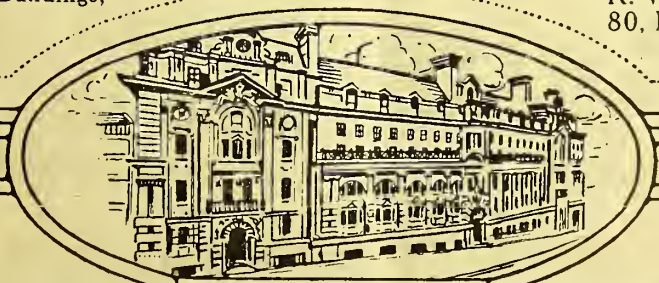
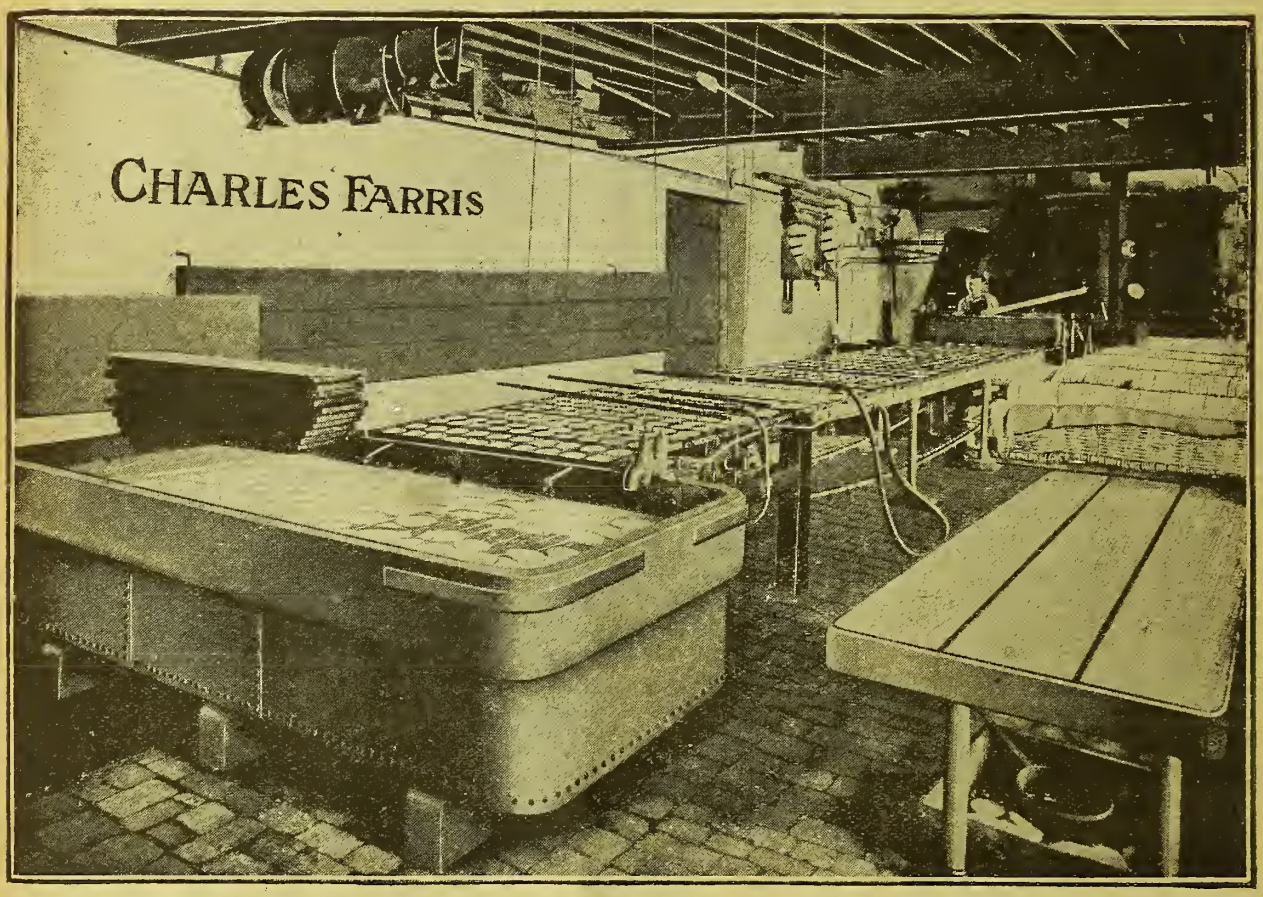
Lloyds Bank Buildings,
King Street.

NEW YORK:
R. W. Greeff & Co.,
80, Maiden Lane.


THAMES HOUSE.

Farris's Genuine Air-Bleached White Beeswax, B.P.

WELL KNOWN FOR EXCELLENCE AND PURITY NEARLY THREE QUARTERS OF A CENTURY.



FARRIS'S PROCESS No. 5.—*THE GENUINE AIR-BLEACHED BEESWAX BEING MELTED INTO DISCS AND CARRIED ALONG AUTOMATICALLY TO THE COOLING TANK.*

Continued from Process No. 4.—After the ribbons of Beeswax are sufficiently white right through, the wax is removed from the canvas sheets in the open air to large vats, where it is finally melted and run into discs which are carried along automatically until they fall into an immense tank of cold water, as seen in the above illustration.

MANUFACTURER AND REFINER OF

OF EVERY OILS DESCRIPTION

WAXES OF EVERY KNOWN KIND.

WAXES PREPARED FOR SPECIAL PURPOSES.

CHARLES FARRIS, 71 Bishopsgate, London, E.C.

Works: HELMET COURT, BISHOPSGATE, E.C.

Warehouses and Stores: 91 & 93 BISHOPSGATE, and 12 WORMWOOD STREET, E.C.

TELEPHONE. CITY 7 PRIVATE BRANCH EXCHANGE

TELEGRAMS ELEVEN CENT LONDON

Maw's Page

S. MAW SON & SONS (C.P.O. BOX No 54) 7-12 ALDERSGATE ST. LONDON E.C.

NUMBER 286 APRIL 7, 1917

CABLES ELEVEN LONDON

CODE A.B.C. 4TH & 5TH EDITION

C. Trentham Maw, J.P.
Henry T. Maw, M.D.
Mowbray T. Maw.
Arthur T. Maw, Ph.C.

ANTI-VERM

"Anti-Verm" is sufficiently explanatory to describe itself.

It is made in the form of a cream, and should be lightly smeared on the wrists and other parts of the body here the trench pests can gain access to the person.

We have not named it "Active Service," so that Anti-Verm will be a suitable after-war line; but it is an opportune time to sell well for the troops.

"JOLLY GOOD STUFF!"

November 14.

"That Verm Killer (Anti-Verm) you sent me seems to be jolly good stuff. It is not obnoxious, like most of the pastes are; in fact the smell is really pleasant, and it certainly does the necessary. I was worried no more."

This letter from the firing-line is further testimony to the preventive qualities of Anti-Verm.

Put up in screw-cap tins, attractively labelled.

PRICE

4/9

PER DOZ.

'PAREX' REGD BABY POWDER

5/- DOZEN

A SAFE LINE TO STOCK

The name of Maw is sufficient guarantee for that remark. The unvarying quality of "Parex" branded goods deservedly merits the confidence enjoyed by their buyers.

"Parex" (regd.) Baby Powder is soft, white, very absorbent, and delicately perfumed. Its container is thoroughly practical in its construction, and allows the powder to be sprinkled direct on to the skin, a method of application at once hygienic and convenient. The generous size and really first-class appearance of this line ensures for it a most successful career.

FIXED SELLING PRICE 7½D.
50% PROFIT.

Absorbent Antiseptic Soothing to the most tender Skins.

One of the many recent testimonials relating to

Sanaphos.

(T.M. Regd.)

The ideal reconstructive nerve food.

"The officer at Wimbledon is very much better and is going on with SANAPHOS. The Sciatica case is quite cured. One patient says that SANAPHOS is worth twice as much as Sanatogen. The other case, Neuritis, is also cured."

M.R.C.S. ; L.R.C.P.E.

The fixed prices at which Sanaphos is sold show a net profit to the retail chemist of over 30 per cent. on selling price (over 40 per cent. on cost.) The wholesale prices are:—1/- size, 8/6 per dozen; 1/6 size, 12/9 per dozen; 2/6 size, 21/- per dozen; 5/- size, 42/- per dozen. Sanaphos is a reconstructive NERVE Food; Nutrient, Restorative and Activating. It is indicated in Mental and Physical Fatigue; Nervous Breakdown; Insomnia; and Neurasthenia. Sanaphos is an organically phosphated milk product, much superior to the former German-owned article, and is prepared in England under strict scientific control. Chemists are invited to write for samples, showcards, and all particulars; and to send names of physicians, to whom we shall be pleased to send samples of Sanaphos and copies of numerous professional endorsements. Address: The British Milk Products Co., Ltd., 69 Mark Lane, London, E.C. — — *Exceptional Terms for Supplies to Hospitals.*

THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK

"FRAME FOOD"

ON P.A.T.A. LIST. *SHOWCARDS FREE.*

FRAME FOOD CO., Standen Road, Southfields, London.

SUGAR OF MILK

"Sowalt" Brand.

GUARANTEED B.P.

For Quotations apply to—

NALBOROUGH & SONS, Ltd.,

HARWICH, ESSEX.

FINEST QUALITY

MILK POWDER. CASEIN.

Inquiries and Orders Solicited.

PRIDEAUX'S LTD., DEPT. C, MOTCOMBE, DORSET

LONDON OFFICE:

10 HOP EXCHANGE, Southwark Street, S.E.

ALL CHEMISTS SHOULD STOCK **ABDINE**

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Quarter of a Century's Reputation.

"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 2 for 2½d.; Boxes of 13 Packets 1/3.

Order through your Wholesale Drug House.

D. M'GLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

Wholesale Prices on Application

HOOKER'S MALTED MILK

"A complete food." — *Lancet.*

SELLS ENTIRELY ON MERIT.

There is no Higher Quality or Better Value

BRITISH MADE & BRITISH OWNED

DEMAND RAPIDLY INCREASING.

LARGE PROFITS TO SELLERS.

PRICES AND TERMS FROM

THEW, HOOKER & GILBEY, LTD., BUCKINGHAM.

KEENE'S Penny Cubes.

Cocoa, Tea and Malted Cocoa (with Pure Milk and Sugar).
Malt and Milk . . . . . (Finest Peptonised Malt).

Attractively made up in 6d. Boxes.

SAMPLE BOX OF 6 CUBES 3d., WITH SPECIAL DISCOUNTS.

KEENE'S, Cube Specialists, LEICESTER.

DR. EVAN WILLIAMS'

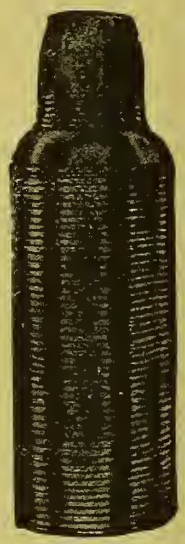
HENNA SHAMPOO

"THERVAC" VACUUM FLASKS

These Flasks are of the highest quality and finish. There is nothing better made. Compare with any other make.

They are made to unscrew at the shoulder, so that new fillers can be quickly and easily fitted.

The glass containers are supported and protected by flexible steel ribs, and with ordinary care are unbreakable.



NET TRADE PRICES.

		Pints.	Quarts.
No. 11.	Black Case, Aluminium Fittings	3/9	6/-
No. 14.	Green Case, Nickel Fittings -	4/9	7/6
No. 15.	All-Nickel, Corrugated - -	5/9	8/9

Refills—Pints, 2/9; quarts, 5/-. Will fit any well-known Flask.

Wholesale only from **BISSELL DEPT. (MARKT & CO., London, Ltd.)**
98 Clerkenwell Road, LONDON, E.C.

There is no better Flask made than the

"ALL BRITISH" VACUUM FLASK,

of which not only the protective outer casing but the essential glass vacuum bottle are

MADE IN ENGLAND.

SOLE MAKERS—

AERATORS LIMITED
"Prana" Sparklet Works,
UPPER EDMONTON, LONDON, N.

FREEMANS
REAL TURTLE Soup Cubes
"Ready to Serve."

Made from the real rich meat of selected West Indian Turtles—so that real Turtle Soup, once the privilege only of the rich, is now a delicacy easily accessible to every household. No other soup is so nourishing and delicious.

Made in a minute with boiling water.

To retail in 1/- Cartons containing 4 Cubes.

THE WATFORD MFG. CO., LTD.,
Makers of
Freemans Table Dainties, Boisseliers (Boy-sel-e-a) Chocolates, and Vi-Cocoa, Victoria Works, Watford

Freemans READY SOUPS Watford

The Finest Quality Aerated Waters are made only with the Finest Quality ESSENCES

Boake Roberts'

Soluble Essences are of the finest quality and being extremely concentrated are most economical

Lemon	Ginger Ale
Orange	Stone Ginger (Cloudy)
Ginger	Clear Ginger Beer
Raspberry	Kola Champagne
Strawberry	Lime Juice and Soda
Pineapple	Lemon Squash Vanilla

A. Boake Roberts & Co. Ltd.
Stratford, London

Why Stop at the Bottle?

If your customers can buy and use the THERMOS Bottle, they can also find a use for THERMOS Jugs, Food Jars, and Carafes. If you can sell the one you can surely sell the others. Why not try a few in stock?

CATALOGUES, &c., ON REQUEST

THERMOS Ltd.,
BYRON HOUSE,
2 & 4 Finsbury St., London, E.C.

Aquaperia
(Harrogate)

The Chemists' Aperient Mineral Water,

supplants Hunyadi Janos, Apenta and enemy waters of similar character.

Bottled and Standardised by CAMWAL Ltd. at their spring,

HARROGATE.

ALTERATION IN PRICES.

8/- per Doz. 7/6 per Doz. in 6 Doz. lots.

Carriage Paid on 2 dozen and upwards.

Minimum Retail Prices to the Public, 1/- per Bottle (P.A.T.A.)

1/6 per doz. allowed for empty bottles returned Carriage Paid to our Factories.

SPECIAL ALLOWANCE FOR WINDOW DISPLAYS.

P.A.T.A.

Of all Wholesale Houses, and

CAMWAL Ltd. Harrogate, Manchester, Birmingham, Bristol, Mitcham, London, and Depots.

PRESCRIBED FOR MEMBERS OF THE ROYAL FAMILY

SUPPLIED TO HER MAJESTY QUEEN MARY'S ROYAL NAVAL HOSPITAL
ALSO TO HER ROYAL HIGHNESS THE PRINCESS LOUISE'S HOSPITAL
THE ALLIES' HOSPITAL (Hopital de l'Alliance), YVETOT, FRANCE
THE BRITISH RED CROSS SOCIETY'S HOSPITALS, etc.

Unsurpassable reputation for genuineness. Never claims to do more than it can accomplish.

Over a quarter of a century of uninterrupted success as a specialised preparation.

KUTNOW'S POWDER

For Liver, Kidneys & Bowels.

THE FAMOUS BRITISH REMEDY

MADE IN ENGLAND ONLY

THE POWDER—BOTTLES—CAPSULES—LABELS ALL MADE IN ENGLAND

It is on the P.A.T.A.
It is well advertised
It is very popular
It is a good article
It is never dead stock
It yields a good profit
It satisfies everybody

The Doctors prescribe it
The Nurses recommend it
The Public appreciate it
The Customer comes again
The demand is constant
The sales are increasing
The trade is progressive

ORDER AT ONCE FROM YOUR WHOLESALE HOUSE

WINDOW SHOWS ATTRACT REMUNERATIVE BUSINESS

THE PUBLIC DEMAND

Real Genuine Remedies

— READ THIS NOTICE —

The public want the best in business, the best in art, the best in literature, the best in household remedies, the best in everything that lies within their means. The successful business man caters to supply what the public demand. He takes care to see that the stock of the remedies in daily demand is always sufficient to meet that demand. Kutnow's Powder is in constant demand all over the world, and no remedy occupies a firmer position in the estimation of the public and the medical profession.

PERSONAL NOTICE.

Showcards and Bills

— SEND THIS COUPON —

To **S. KUTNOW & CO., Ld.,**
41 Farringdon Road, London, E.C.

Please send me Showcards and Counter Bills, carriage paid.

NAME.....

ADDRESS .....

.....

"Chemist & Druggist," April 7, 1917.

Fill in, cut out, and post in open envelope, affix ½d. stamp.

S. KUTNOW & CO., Ld., Sole Proprietors,
41 Farringdon Road, London, E.C. 1.

CASEIN

ALIMENTARY AND INDUSTRIAL

Dairy Produce Importers.

NIEUWHOF, SURIE & CO., LTD.

Office : 5 LLOYD'S AVENUE, LONDON, E.C.

Works & Warehouses : 9 ALDGATE AVENUE, LONDON, E.

TELEPHONES - - AVENUE 34 & 35

TELEGRAMS - - "SURICODON, LONDON."

A. MILLAR & CO., LTD., DUBLIN

PURE ORANGE WINE

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)

London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C.

WINCARNIS

Sells readily ALL the time.

COLEMAN & CO., Ltd., Wincarnis Works, NORWICH.

IMPORTANT NOTE TO CHEMISTS WITHOUT LICENCES

It has been established by law that Registered Chemists may sell "Wincarnis with Quinine" *without* a licence.

THE FRENCH NATURAL MINERAL — WATER. —

VICHY-CÉLESTINS

DISORDERS of the LIVER, GOUT,

Diabetes, Rheumatism, Gravel, &c.

VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

PROPERTY OF THE FRENCH GOVERNMENT.

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF 1916 MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

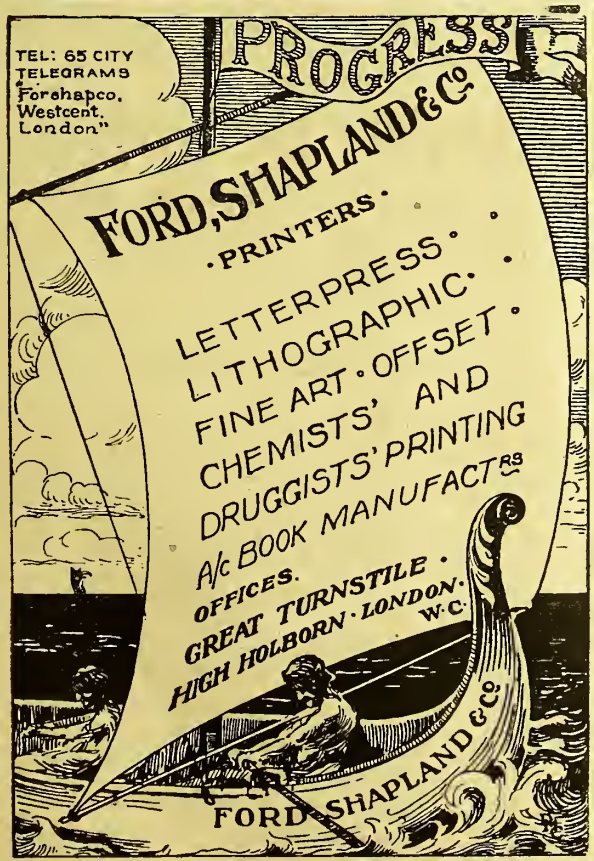
WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780.



Pure Cocoa Butter Substitute

at half the price of Cocoa Butter

Samples and Quotations Free

CHRISTR. THOMAS & BROS., LTD.,
BROAD PLAIN, BRISTOL.

WRITING INK POWDER

As supplied to Govt. Depts. and the principal Railway Cos. Saves 98% Freight. Suitable for any Climate.

ALSO
WRITING INKS,
COPYING INKS,
GUMS, PASTES,
INK POWDERS,
STENCIL INK.

T. WEBSTER & Co.
Diamine Works,
LIVERPOOL.

Petroleum Jelly

White, Yellow, Amber, & Ruby Red, for all Pharmaceutical and Veterinary purposes

MEADE-KING, ROBINSON & CO.
LIVERPOOL - - - MANCHESTER

We offer

WAXES

PETRO. JELLY

LIQUID PARAFFIN B.P.

WHITE OILS

Send us your inquiries.

J. J. FRANSES & SONS, LIMITED,
80a Southwark St., LONDON, S.E. 1.

Salvo Petrolia

the perfection of Petroleum Jelly

in qualities, white, lemon, yellow and golden, for pharmaceutical purposes.

MANUFACTURED SOLELY BY

The Dee Oil Company, Ltd.
Delta Works . Bootle . Liverpool.

Packed in barrels, kegs, and smaller packages according to requirements.

Inquiries are solicited for this article of **BRITISH MANUFACTURE,** and buyers may rely that for quality and price it will meet any competition.

Other Grades
Petroleum Jellies, White Bases, &c.
Samples and prices on application.

"OLEUM DEELINÆ," a certain cure for Eczema.

'Phone: 186 Bootle. Wires: "Cestrian Liverpool."

Some Reasons

why you should stock

PRICE'S

GENUINE (Perfumed)

OLIVE OIL SOAP.

It sells readily.
It is an ideal hard-water soap.
It retails at a moderate price.
It brings repeat orders
and
It comes from PRICE'S.
The Home of High-class Soaps.

Sample and Price on application

PRICE'S, Battersea, London, S.W.

And at Liverpool, Manchester, Glasgow.

For a Few Days Only

I can offer about 50 gross

Tooth Brushes

at 12/- per gross.

Also 20 gross at 18/- per gross.

These are suitable for school children or for cleaning soldiers' brass buttons (cheap Nail Brushes being unobtainable).
Samples, four stamps.

THOS. SWALES,
Chemists' Sundriesman,
24 Butts Court, and 89 Albino Street,
Telephone: Central 3702. LEEDS.

A powerful antiseptic and deodorant.

"PETAL DUST" REGD.

The greatest of all floral air-purifiers.

A concentrated combination of the choicest flowers, aromatic herbs and roots, with the rare spices and gums of Arabia. "Petal Dust" has been the favourite perfume of all classes for over half a century and still commands the largest sale of any dried perfume in the world.

Retails in 3d. and 6d. packets

Attractive Showcards, Counter Bills, etc., with customer's name and address on each packet, for orders of 5 gross and upwards.

SOLE PROPRIETORS—
THE ROSMARINE MANUFACTURING COMPANY,
STAMFORD STREET, LONDON, S.E.
CITY DEPOT: H. C. QUELCH & CO., LUDGATE SQUARE, LONDON, E.C.

LABORATORY OF GENERAL PHARMACOLOGY,
8, Rue Vivienne, Paris.
LONDON AGENTS:
WILCOX, JOZEAU & CO., 49, Haymarket, S.W.

CHAPOTEAUT'S CAPSULES of PHOSPHOGLYCERATE of LIME.
THE BEST TONIC FOR FORTIFYING AND BUILDING UP THE NERVOUS SYSTEM.
Sold by all Chemists.
Wholesale: 8, Rue Vivienne. PARIS.

MORRHUOL CHAPOTEAUT

CAPSULES
MORRHUOL DE CHAPOTEAUT is extracted from cod-liver oil, and contains all its efficacious properties without the disagreeable taste.
It cures Coughs, Bronchitis and Catarrh, restores the appetite, and gives force to feeble persons.
SOLD BY ALL DRUGGISTS.

CHANDRON'S DROPS
(Gouttes des Colonies)
A harmless antiseptic preventative against CHOLERA FERMENTATION - INDIGESTION & other intestinal disturbances.
SOLD BY ALL CHEMISTS

LONDON AGENTS
HEPPELL & CO., 164, Piccadilly, W.

ANTISEPTIC BABY POWDER

MANUFACTURED BY

Johnson & Johnson.

We wish to warn our Customers, so that they may be on their guard, that our package is being imitated. This step, which is so easy, is an undignified and shabby attempt to rob us of our goodwill.

WARNING. The contents cannot be imitated, and the Trade Mark cannot be imitated; and we would ask those Customers who have handled this preparation for a quarter of a century, with every satisfaction to themselves and to their clients, to resent this method of copying other firms' productions by insisting on having the original package bearing the registered Trade Mark, which is the guarantee of quality.

Look for the Name and Trade Mark

JOHN TIMPSON & CO., Ltd.,
104 Golden Lane,
LONDON, E.C.

Still Forging Ahead!

in spite of the war, is Anzora Cream. The demand for it is steadily increasing, and will be quadrupled after the war. Now is the time to foster the desire for this unrivalled hair fixative. If you don't stock it and supply the demand, someone else will. We offer you good trade terms, and back up your efforts with "live" ad rtising.

TRADE TERMS.
11/6 per doz. Retailed at 18/-
19/6 per doz. Retailed at 30/-
Write to-day for Showcards & full particulars.

ANZORA HAIR CREAM

ANZORA PERFUMERY CO.
32/34 WILLESDEN LANE, LONDON, N.W.

ARE YOU AWARE
that large profits are being made out of

TOZANA HAIR FOOD

Now being extensively advertised to the Public.

"Nourishes the Roots." A new and wonderful discovery for the rejuvenation and preservation of the hair, which, in the gentlemen's strength, is also an
EXCELLENT FIXATIVE DRESSING.
Prepared in two strengths—"Ladies'" & "Gentlemen's." Retailed at 2/-, 3/6 and 5/- per bottle; Trial size, 1/-.
For trade prices inquire of your wholesaler, or direct to the
TOZANA PERFUMERY Co. Ld. TOZANA HOUSE, KING'S CROSS, W.C.

Fitting a
SEMREH BOTTLE CAP
is a
ONE-HANDED JOB.
A girl can do it without previous experience.
SELF-FIXING, TOO!
The VIS OSE Development Co., Ltd.
BROMLEY, KENT.

THE
Line of the Moment.

"COFECTANT" LOZENGES

Wholesale: **10/-** per dozen Boxes.
USUAL TERMS.
Retail . . . . **1/3** per Box.
Attractive Showcards with each Order.

"Cofectant" Lozenges have been made pleasant to the taste, although each one is a potent medicament.

The Germicide incorporated is the well-known and powerful "Cofectant" Fluid.

EDWARD COOK & CO., LTD.
BOW, LONDON, E.3.

ELEY BROTHERS, LIMITED

specialise in the manufacture of the following articles at the lowest prices:

Shaving Stick Cases

Oval and Round Tops

for Powder Tins, Cruets, Dredgers, etc.

Metal Boxes

for Dentifrices, Soap Tablets, etc.

Ferrules

for Walking Sticks, Whips, Bamboo Fittings, etc.

Pencil Fittings

in any of the following metals: Brass, Copper or White-metal (nickel or silver - plated), Aluminium and Jewellers' Metal (Tombac).

During the continuance of the War we cannot undertake orders to make any of the above goods requiring one or more of the metals for their manufacture of which the use for commercial purposes has been prohibited by H.M. Government; but we invite inquiries, as we still have some articles in stock which were made before the prohibition was issued.

ELEY BROTHERS, Ltd.

(Dept. 21), Edmonton, London, N.

Odol

IS BRITISH NOW

Send for Price List and Trading Terms.

ODOL CHEMICAL WORKS, BERKHAMSTED

C.V.& S.—2

Dinkie

The Dainty Deodorant

A new and attractive line that is sure to enjoy good sales. A greaseless Cream that takes the odour out of perspiration. Daintily packed in opal jars. Ask your wholesaler.

DECOLTENE

The liquid hair remover

(originally known as Decolene)

A new idea in depilatories. Simple and safe to use—effective in use. Pleasant and harmless. Invaluable during the vogue of the décolleté gown. Daintily packed. Ask your wholesaler.

TRADE TERMS

Satisfaction Guaranteed or Money back

DINKIE:
Advertised, and min. Retail Price . . **2/6**
Trade 20/- doz.

DECOLTENE:
Advertised, and min. Retail Price . . **3/9**
Trade 30/- doz.

Monthly Accounts nett. 5% Cash with Order.

Carriage Paid on £1 lots. Particulars on request.

Trade Mark

ROBARTES LTD.

128 Jermyn Street, London, S.W.

Telephone: Gerrard 3672

For Large Buyers.

TOILET GOODS.

BRILLANTINES, clear or separating.
1½ oz., **36/-** gross; 2½ oz., **54/-** gross; 40 gall. @ **8/-** gall.; 10 gall. @ **8/6** gall.

LIME CREAM, inseparable.
3 oz. @ **30/-** gross; 4 oz. @ **39/-** gross; 6 oz. @ **57/-** gross; 8 oz. @ **75/-** gross; 20 oz. @ **168/-** gross; 40 gall. @ **6/-** gall.

HAIR CREAM, non-oily.
4 oz. @ **78/-** gross; 6 oz. @ **108/-** gross. 8 oz. @ **132/-** gross.

SHAMPOO POWDER, well perfumed.
In ¼ oz. Seed Pockets ... **5/-** gross; 7 lbs. ... **12/3**; 28 lbs. ... **47/-**

TOOTH POWDER, "Rose Carbolic."
9/- and **14/-** gross; Bulk **65/6** cwt.

STOKES & CO., LTD.
31/35 Lower Castle St., BRISTOL.

Shaving Sticks.

ALL BRITISH.

Good Design and Quality.

"THE FLAG," Cartoned **30/-** gross.

"CREAM OF ROSES," Decorated Tin in four colours, Rose design on Cream ground, **60/-** gross.

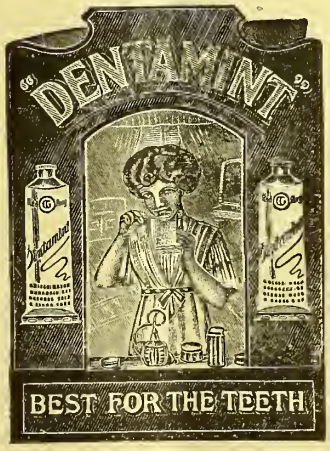
ALUMINIUM HOLDER AND FINGER PROTECTOR . 90/- gross.

TABLET, Cartoned . **30/-** gross.

Sample of each for stamps **1/6.**

STOKES & CO., LTD.
31/35 Lower Castle St., BRISTOL.

DENTAMINT



In neat tubes, packed in separate cartons as illustrated. Six cartons in an outer box which forms an attractive display.

Sample tube free.

LARGE size, **4/6** per dozen.
SMALL size, **2/6** per dozen.

CUXSON, GERRARD & CO., Ltd., Oldbury & Birmingham.

SUPPORT THOSE WHO SUPPORT YOU

Distributors are therefore asked to support us in preference to NON-PROTECTED MAKES.

33⅓ % MINIMUM PROFIT

RECOMMEND

JOHN BOND'S "CRYSTAL PALACE" MARKING INK.

FIXED SELLING PRICES

With or without heating, whichever kind is preferred.

PLEASE SPECIFY WHEN ORDERING.

As supplied to the Royal Households, and awarded forty-five Gold Medals, etc.

The "ANTI-CUTTING RECORD" says:—"We are strongly of opinion that John Bond's 'Crystal Palace' Marking Ink should not only be kept in stock, but, in common fairness to the Proprietor, distributors may justly give this well-known line all the display, recommendation and push in their power."

MANUFACTORY, 75 SOUTHGATE ROAD, LONDON, N.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.

FOR QUOTATIONS apply to—

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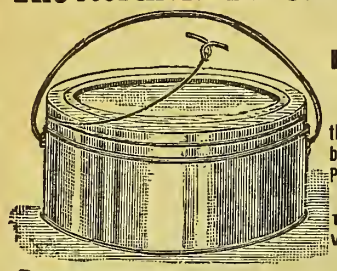

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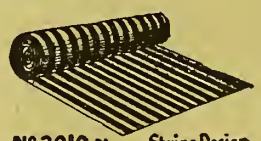

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A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

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Head Office: 42 CANNON STREET, LONDON, E.C.
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Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

CONTENTS: No. 14 (Series No. 1941), Vol. 89.

	PAGE		PAGE
Associations' Winter Session	45	English News	34
Australasian News	36	European War	33
Bankruptcy Report	38	Formulas	44
Births	38	French News	36
Books, New	40	Information Department	41
Business Changes	39	Insurance Act Dispensing	46
Chemical Society	40	Irish News	35
Coming Events	33	Legal Reports	37
Corner for Students	39	Medicinal Plants in France	36
Correspondence:		Military Tribunals	33
Blind Soldiers' Hostel, Mineral Naphtha, Circulars and Advertising	51	New Companies and Company News	37
Subscribers' Symposium	52	Observations and Reflections	41
Legal Queries	52	Personalitics	39
Miscellaneous Inquiries	52	Pharmaceutical Society (G.B.):	
Deaths	38	Council-meeting	47
Editorial Articles:		Examination Results	48
The Sugar Position, "Aspirin" in U.S.A.	42	Retrospect	52
French Imports, Health Insurance Developments, Flexible Gelatin Capsules	43	Scottish News	35
Notes	44	Society of Chemical Industry	40
		Trade-marks	45
		Trade Notes	45
		Trade Report	48
		Westminster Wisdom	39

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Sunday, April 8.

Pharmacists' Volunteer Corps, Duke of York's, Chelsea, at 10 A.M. Parade, followed by lecture on sanitation.

Tuesday, April 10.

Eastbourne Pharmacists' Association, 2A Terminus Buildings, at 8.30 P.M. Meeting.

Wednesday, April 11.

Manchester Pharmaceutical Association, 65 Market Street, at 3 P.M. Annual meeting and election of Council.

Pharmacists' Volunteer Corps, Duke's Saloon, Holborn Restaurant, London, W.C., at 8.30 P.M. Dr. Burnet and Mr. Edmund White on "Bacteriology from the Pharmacists' Standpoint," and presentation of certificates. The meeting is open to all pharmacists.

Newcastle-upon-Tyne Pharmacists' Association, Church Institute, Hood Street, at 6.30 P.M. Mr. T. Maltby Clague, lantern-lecture on "Thomas Bewick, Wood Engraver and Naturalist."

Metric System.—The American Institute of Weights and Measures has been organised to counteract the efforts which are being made to introduce the metric system of weights and measures into the United States.

European War News.

Import and Export Notices.

France.—The French Government has prohibited the importation into France and Algeria of all merchandise of foreign trade, or from foreign ports, save such as is effected on account of the State. Shipments which can be proved to have been despatched direct to France or Algeria, or declared for bonding, before the publication of the decree on March 24 will not be affected. An Advisory Committee is set up to consider proposals to exempt certain goods and to fix the amount to be imported quarterly, as well as a scheme of distribution among various trades and industries. The Board of Trade are in receipt of copy of a French Ministerial Decree, dated March 17, which abrogates the provisions of various earlier Ministerial Decrees in virtue of which the following articles were allowed to be exported or re-exported from France, without special authorisation, when consigned to the United Kingdom, the British Dominions, Colonies, and Protectorates, Belgium (territory not in enemy occupation), Japan, Russia, and the countries of America: Acetone; agar-agar; cadmium in all its forms; cinchona-bark; cobalt in all forms; dextrin and soluble starches; fatty acids of all kinds; fats, animal (including lanoline); fats, fish; fats, vegetable, alimentary; mercury (ore, metal, compounds, and preparations); monazite (ore of cerium, lanthanum, and thorium); oleaginous fruits and seeds; radium and its salts; saccharin and similar products; sodium; starch; stearic acid.

United Kingdom.—The Board of Trade in further explanation of the priority orders issued by the Ministry of Munitions three weeks ago (*C. & D.*, March 17, p. 35), state that it is their intention to exercise their power of certification by the issue of an official order specifying any industry in which they consider export trade should have priority over home needs. A Supplement to the "Board of Trade Journal," March 29, contains a complete list of articles the importation of which into the United Kingdom has been prohibited, except under licence, by Royal Proclamations of February 15, 1916, and subsequent dates, and in respect of which applications for licences should be addressed to the Controller, Department of Import Restrictions, 22 Carlisle Place, Westminster, London, S.W. 1.—Another list of prohibited goods was passed by the King in Council on March 30. It includes: Aërated mineral and table waters; cocoa, raw and preparations; fatty acids; glass; painters' colours and pigments; perfumery and toilet preparations; photographic apparatus; soap; soya beans; spirits and strong waters; sugar and articles containing it (except condensed milk); chestnut, quebracho, hemlock, oak, and mangrove extracts; wine; yeast. The order does not apply to goods imported under Board of Trade licence.

Military Tribunals' Decisions.

The following are additional decisions in drug-trade cases:

Bath.—The certificate of F. G. Somerton, assistant with Wilson & Dickinson, chemists, was renewed.

Bideford.—Six months' exemption was granted to W. J. B. Thorne, dispenser with Mr. V. H. Hogg, dispensing chemist.

Byfleet.—One month's extension was granted to P. F. Johnson, assistant to Mr. S. B. Moss, dispensing chemist.

Deptford.—The exemption was continued of Mr. Archibald Williams, dispensing chemist, 287 Queen's Road, Peckham, and of R. E. Lloyd, with Mr. R. H. Ferris, New Cross Road. One month's final exemption was granted to Mr. E. G. Gallop, dispensing chemist, 262 New Cross Road.

Dorking.—Exemption was refused to Mr. H. C. Stocks, chemist and druggist, manager to Timothy White Co., Ltd.

Elland.—Exemption until September 30 was granted to A. H. Graham, chemists' apprentice, but refused to C. H. Dyson, another apprentice, whose calling-up notice is not to be issued until June 15.

Enfield.—Six months' conditional exemption has been granted to Mr. J. L. Morrison, dispensing chemist.

Farnham.—Three months' exemption was granted to Mr. A. S. Edwards, dispensing chemist.

Gillingham.—Two months' exemption was granted to Mr. R. S. Hardie, chemist and druggist, with Mr. C. E. Beveridge, dispensing chemist. In the case of another of Mr. Beveridge's assistants exemption was granted pending a substitute being provided.

Haverfordwest.—The Tribunal refused the request of the Military Representative to review the exemption granted to

Mr. H. C. Jenkins, dispensing chemist, with Mr. F. D. Phillips.

Lewisham.—Applying on behalf of the Torridon Drug Stores, Ltd. (of Torridon Road, Hither Green), for exemption for a registered chemist, Mr. Kirby illustrated the difficulty which is experienced in obtaining assistants. Advertisements (he said) had been twice inserted in the leading trade journals; the company had also applied to the four wholesale houses with whom they dealt, to the London Pharmaceutical Committee, and to the National Health Insurance Commission. There were nine replies to the first advertisement; some of those who replied declined the position because it was not a permanency, one because applicant's employers were negotiating with him to take over the management, another on the ground that he had lost touch with counter-work and could not manage long hours, and yet another had had no trade experience, and had only been with doctors in hospital. To the next advertisement there were five replies—four from unqualified men, and the fifth from one who wrote that he was not subject to the Military Service Act because he was not a British subject, but who, when asked for details, did not reply. The man for whom the company applied is the only qualified person in the business, and it was essential that they should have such a man in order to comply with the provisions of the Pharmacy Acts, and to fulfil their agreement to dispense medicines under the National Insurance Act. Exemption was refused, but applicant is not to be called to the Colours for one month.—Application was made by Mr. E. G. Price, Lewisham, for a further period of exemption for his assistant. The application was disallowed, the calling-up notice not to issue for two months.

Llandyssul.—The Military Representative appealed against the temporary exemption granted to W. B. Evans, apprentice to Mr. J. W. Evans, dispensing chemist, and the young man is to join up on April 30.

Maidstone.—The conditional exemption granted to Mr. J. S. Cheetham, chemist and druggist, with Mr. F. J. Oliver, dispensing chemist, was withdrawn and replaced by three months' exemption.

Malvern.—Exemption until June 30 was granted to Mr. H. L. Bryant, chemist and druggist, with Mr. A. Mander, Belle Vue Pharmacy.

Penge.—Exemption was refused to R. W. Russell, assistant with Mr. H. Miles Rees, Ph.C., although it was stated by a member of the Tribunal to be a hard case.

Rochdale.—Exemption to Mr. S. Relph, chemist and druggist, manager to Waller & Riley, Ltd., until May 31 was confirmed.

Seaford.—Two months' exemption was granted in place of conditional exemption to W. G. Newell, assistant with Mr. L. Cameron, Ph.C. The same period was allowed to G. E. Oakley, with Mr. F. E. Packer, dispensing chemist, and to V. J. Armfield, dispenser at the Surrey Home Military Hospital.

Shoreditch.—Four months' exemption was granted to H. C. Burton, invoice clerk with C. J. Hewlett & Son, Ltd., wholesale druggists, Charlotte Street, E.C.—The same period was granted to F. S. Wyatt, with Barnes & Burt, cardboard-box makers, applicant being engaged in making boxes for chemists and for surgical instruments.

Southwark.—J. T. Davenport, Ltd., manufacturing chemist, 117 Union Street, applied for the further extension of an employé, who is conversant with the manufacture, and is responsible for signing the export licences. A month's final exemption was granted.

Stamford.—Three months' exemption was given to S. Brown and one month to J. H. Shelton, assistants with Mrs. Dickinson. One month's was granted to C. R. Stanyon, assistant with Mr. J. S. Prior, Ph.C.

Stourbridge.—The exemption certificate of S. Tooby, manager of Cooke, Ltd., chemists, was withdrawn, and three months' allowed to find a substitute. Conditional exemption has been granted to Mr. W. N. Brazier, Ph.C., and two months' exemption to J. Chance, with the Midland Drug Stores, Ltd.

Taunton.—The exemption certificate was withdrawn of J. D. Carlyle, with Mr. J. Boyd, dispensing chemist, but he is not to be called up before April 16.

Teignmouth.—Conditional exemption was continued to C. F. Edmonds, who manages the chemist's business of Captain J. H. Maunder, R.A.M.C., who has been at the Front for thirty months.

Tonbridge.—The conditional exemption granted to Mr. E. Skipton, dispensing chemist.

Tunbridge Wells.—Two months' exemption was granted on appeal to Mr. A. A. W. Pearmund.

Whitby.—In the case of Mr. Chas. Tindale, dispensing chemist, whose exemption until April 2 was in question, leave to apply for further consideration was granted.

Woking.—Three months' further exemption was granted to Mr. P. B. Phillips, Ph.C., of Squire & Co., High Street.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Contracts.

The following contracts have been arranged with the Boards of Guardians in the places specified:

Brighton.—Baiss Bros. & Co., Ltd., drugs and druggists' sundries.

Cranbrook.—Mr. A. J. Gray, Hawkhurst, medical appliances.

Gloucester.—Mr. W. Watson, appointed chemist for a year; Heale & Bartle, appointed emergency chemists.

Hastings.—J. G. Richards, Ltd., drugs.

Lambeth.—The contracts with the British Drug Houses, Ltd., and S. Maw, Son & Sons have been renewed for the three months from March 31.

Malling.—Mr. H. C. H. Oliver, chemist and druggist, West Malling, medical necessaries.

Merthyr Tydfil.—Mr. V. A. Wills, dispensing chemist, drugs, etc.

Milton Regis.—Usher's Drug Stores, chemists' goods, 17*l.* 15*s.* 9*d.*

Newcastle-under-Lyme.—Mr. C. J. Wain, Ph.C., drugs and dressings.

Newport (Mon.).—Ferris & Co., Ltd., Bristol, drugs at list rates, variable from time to time.

North Bierley.—Harrison, Parkinson & Co., chemists, Bradford, drugs and medical requirements.

St. Albans.—Corbyn, Stacey & Co., Ltd., drugs.

West Bromwich.—Burgoyne, Burbidges & Co., Ltd., drugs.

Whitby.—Mason's Drug Stores, appointed chemists for six months.

Other contracts arranged include:

High Wycombe Corporation Hospital.—Lansdale & Co., chemists for a year.

Southwark Borough Council.—Alfred C. Young & Co.; Adcock's, Ltd.; and Newton, Chambers & Co., Ltd., disinfecting materials.

Walthamstow District Council.—Sanitas Co., Ltd., for disinfectants, etc., and Edward Cook & Co., Ltd., for disinfectant fluids and soaps.

Liverpool.

The local wholesale houses are closed from Thursday to Tuesday.

Mr. C. F. Inman, Dale Street, makes a pretty display with Vinolia egg-soaps in nests, green-lined.

So far the Liverpool Chemists' Association has not discussed officially the support of any of the candidates for the Pharmaceutical Council.

The decimal-system ball set rolling by Mr. H. Humphreys Jones in his demonstration to the Liverpool Chemists' Association is running through the Lancashire and Yorkshire Press, gathering size and force.

"Closed from 1 to 2 P.M. daily for dinner" is a notice on the windows of pharmacies in the Waterloo, Seaforth, and Crook districts. Evening dinners apparently do not obtain in these panel-dispensing days.

The Liverpool Chemists' Association issued on March 31 a postcard to all members stating that in order to secure uniformity as to Easter holidays the Council suggested that all pharmacists should close their establishments all day on Good Friday and Easter Monday, remaining open on the Wednesdays before and after.

Pharmacists who have lock-up, down town premises will long remember the Palm Sunday opening. They had to pass through a record fall of snow for the season, while from a clear sky with almost genial sunshine prolonged April showers fell and made snow into sludge. Monday brought much more snow from dull clouds. The combination of the two days was unique, but as very old inhabitants recall a great fall of snow in May, the stocks of winter goods are being kept up as far as supplies permit.

The Lancashire Federation of Pharmacists, which has held two preliminary meetings at Manchester, is to assemble, for the first general meeting, at Liverpool Royal Institution, on April 18, at 3 P.M. In order to bring chemists together the Liverpool Chemists' Association has arranged its final meeting for the winter session at 8 P.M. on the same day. It will take the form of a musical evening coupled with despatch of routine business. The President (Mr. W. P. Evans) hopes to see the President, Vice-President, and other officers of the Federation present, and ladies are invited.

Sheffield.

Chemists, when filling up their monthly return of employés, should secure the revised Form D.R. 17, which was issued by the Post-office on April 2.

The monthly meeting of the Insurance Committee was held on April 4 at the Town Hall. The business was of little interest to chemists except as regards payment of their January accounts, besides 980*l.* 7*s.* 6*d.* on account for February.

Newsholme, Ltd., have two attractive window-displays, robaleine in one and sanatogen and formamint in the other, this being made more attractive after dark by a showcard which is made the centre being illuminated with a red electric-lamp.

Chemists are still wondering when the extra 0.3*d.* is to be paid. The Commissioners suggested that the payment should be made in two instalments, but it was thought desirable to hurry up the completion of the figures for the year and make one payment, so that the payment will not be deferred much longer.

It is not generally known that Yorkshire, particularly the West Riding, is the home of British glass-industry, with the headquarters at the Sheffield University of the Society of Glass Technology. Although a young Society, this is making rapid headway. At the Ickniield Works retorts and similar chemical ware are made. The managing director is Mr. Wm. Butler.

Miscellaneous.

Summer-time has been extended by the Privy Council to the Isle of Man.

Banks in England, Wales, and Scotland will be closed on Saturday, April 7.

The Pharmacy of Alderman J. Brooks, J.P., 8 High Street, East Ham, was broken into by a R.F.A. driver while he was the worse for drink, but nothing was stolen, and the man has been remanded.

The Birmingham Pharmaceutical Association's list of minimum prices of drugs and proprietary articles dated March 31 contains nine changes in the prices of drugs, sixteen changes in proprietaries, and two changes in packed goods—namely, honey and water-glass.

Wines and Spirits Committee.—The Chancellor of the Exchequer has appointed Mr. John Archer, Mr. R. W. Byass, Mr. H. T. Moore, and Mr. John N Stickland to act as an Advisory Committee to the Board of Customs and Excise in the matter of the issue of authorities for the delivery from bond of spirits and wine under the Intoxicating Liquor (Output and Delivery) Order, 1917. The Secretary is Mr. P. L. Aston, Surveyor of Customs and Excise, 110 Cannon Street, London, E.C. 4.

Poisoning Cases.—Four cases of poisoning have been reported to us since March: in two morphia was used hypodermically by a Walworth couple, Harry Stuart Arnold, a foreign correspondent, and his wife, who had fallen into the habit. Oxalic acid was purposely and fatally taken at Blackburn by Ferriss P. Stevens, an actor. Death from veronal, self-administered, was the verdict of the Bolton Coroner's jury on the death of Frodk. A. Horridge, solicitor and borough prosecutor. We also note that the Poplar Coroner had on April 3 to ascertain the cause of the death of Charles Hy. Weatherill (53), and found that while engaged in making liquid ammonia at the works of the Commercial Gas Co. a broken pipe in the still (which was new) carried the liquid at 212° F. to a spot where Weatherill was lying, and he was fatally injured.

Royal Institution.—The lecture arrangements at the Royal Institution after Easter include the following: Professor Charles S. Sherrington, two lectures: (1) Tetanus and (2) Rhythmic action in muscle and in nerve; Professor D'Arcy W. Thompson, two lectures on "The laws of growth and form"; Professor W. W. Watts, two lectures on "The flow of ice and of rock"; Professor H. S. Foxwell, two lectures on "Industrial finance after the war"; Professor William Bateson, two lectures on "The chromosome theory of heredity and the alternatives"; Professor Sir J. J. Thomson, six lectures on "The electrical properties of gases." The Friday evening discourses will begin on April 20, and include the following: Dr. J. Dundas Grant, "The organs of hearing in relation to war"; Professor John Joly, "Radioactive haloes"; Professor Frederick Soddy, "The complexity of the chemical elements"; and Professor Sir J. J. Thomson, "Industrial applications of electrons."

Irish News.

Brevities.

The Law and Finance Committee of the Cork Corporation had before them on March 28 the question of closing chemists' shops in the city daily at 10 P.M., and on Saturdays at 10.30 P.M. On a poll twenty-one out of twenty-two owners of chemists' shops voted in favour of an order enforcing these closing-hours. One owner, Mr. P. J. Fielding, voted against it. The Committee, by five votes to three, confirmed their previous decision that in their opinion it is not expedient to make the closing order in question.

At Newry Quarter Sessions last week, before his Honour Judge Orr, Mrs. Agnes Boyd, Newry, sued Mr. Patrick Mallon, Ph.C., chemist, 60 Hill Street, Newry, to recover 10*l.* loss and damage sustained by her by reason of the defendant having made certain structural alterations in her premises at 82 Hill Street while he was tenant thereof under an agreement dated July 13, 1912, and for damages to the premises, which, it was alleged, he failed to keep in repair under said agreement. After evidence had been given his Honour granted a decree for 7*l.*

Drug and Surgical-appliance Contracts.

The following are additional contracts for drugs and surgical appliances which have been entered into by Irish Boards of Guardians. The percentages indicated are the discounts allowed by the contractors off the standard list of the Local Government Board:

Union	Medicines	Surgical Appliances
Abbeyleix ...	Boileau & Boyd	Same contractors
Albridge ...	—	Sumner & Co.
Armagh ...	F. Storey (Belfast)	J. Clarke & Co. (Belfast)
Athlone ...	—	J. Clarke & Co.
Baltinglass ...	—	Sumner & Co.
Bandon ...	Sumner & Co., 15 %	Fielding's Pharmacy, 20½%
Belfast... ...	—	Clarke & Co., 13¼%
Carrick-on-Suir	Boileau & Boyd, 11¼%	Fannin & Co., 26%
Cashel	Boileau & Boyd, 11¾%	Fannin & Co., 25%
Castlebar ...	Boileau & Boyd, 17½%	Adamson & Son, 17½%
Claremorris ...	Sumner & Co., 10 %	J. Clarke & Co., 18¾%
Clonakilty ...	Cork Chemical and Drug Co., 12½%	Fielding's Pharmacy, 20½%
Ennis	Boileau & Boyd, 10½%	Fannin & Co., 26%
Enniscorthy ...	Boileau & Boyd	Same contractors
Ennistymon ..	Boileau & Boyd, 10½%	Same contractors, 21½%
Gorey	Sumner & Co.	Same contractors
Granard ...	Sumner & Co., 15%	Same contractors, 15%
Longford ...	Sumner & Co., 15 %	Same contractors, 20%
Loughrea ...	Sumner & Co., 10 %	Same contractors, 15%
Mallow... ...	Boileau & Boyd, 11¼%	Fielding's Pharmacy, 20½%
Midleton ...	Sumner & Co.	Same contractors
Monaghan ...	F. Storey	J. Clarke & Co.
Mountmellick ..	Boileau & Boyd, 12½%	—
Newry	Sumner & Co., 15%	J. Clarke & Co., 23¼%
Roscommon ...	Sumner & Co., 15%	J. Clarke & Co., 23¼%
Strokestown ...	Boileau & Boyd	Same contractors
Tipperary ...	Sumner & Co., 15 %	Fannin & Co., 26%
Wexford ...	—	Sumner & Co.

The South Dublin Guardians accepted the tender of Boileau & Boyd for medical supplies at 15 per cent. discount. Sumner & Co., Liverpool, tendered at 20 per cent., but, subject to the sanction of the Local Government Board, it was agreed to accept the tender of the local firm on the ground of convenience. A similar policy was adopted by the Castlebar Guardians.

Scottish News.

Brevities.

The "nothing less than twopenceworth" movement is growing.

Private John Clark (Canadians), son of Mr. A. D. Clark, chemist, Galashiels, is reported killed.

Miss Margaret Harper Russell, Newport, daughter of the late David Russell, chemist, Dundee, left property valued at 6,670*l.*

The Greenock sugar-refineries are working at high pressure manufacturing glucose for the use of bakers and preserve-manufacturers.

The popular erstwhile 2*d.* soap, recently advanced to 2½*d.*, has received a further impetus to 3*d.*, and 3½*d.* is likely to be the price before long.

Alexander, son of Mr. Alexander Sherriffs, chemist and druggist, Troon, cut his knee while at play one day last week, and during the night medical aid had to be summoned, but by that time lockjaw had set in, and the boy died.

Wertheim's Drapery Store in Berlin was a kind of Harrod's, but the German Army Medical Department now occupies it. The "British Medical Journal," March 31, contained an article on the department.

French News.

(From the "C. & D." Paris Correspondent.)

Poisoned Wells in France.—Mr. Beach Thomas's communication to the "Daily Mail" regarding the poisoning of wells near Peronne by the Germans during their recent retirement, gives topical interest to the paper which Assistant-Pharmacist-Major Marcel Benoist contributes to a French journal. Analysis of drinking-water is an important part of the French military pharmacists' duties, but probably few realise the strenuous conditions under which it is sometimes executed. When the pharmacists left the Val de Grace Hospital (then the Paris training school) for the Front, M. Kohn-Abrest gave a lecture on this subject which was printed and distributed to those engaged in the work, while M. Pierre Bréteau, Pharmaceutical Professor at Val de Grace, and now Director-General of the new Military Biological Laboratories, published an article on the same subject last year. There is, however, a wide difference between what is practicable in the calm of a laboratory behind the Front and what is possible during military operations, and it is from this latter point of view that M. Benoist gives his experiences. Roughly speaking, the military analyst confines his attention to arsenious anhydride, mercury, potassium cyanide, ptomaines, and the alkaloids.

Paris Society of Pharmacy.—When taking the presidential chair for the first time, Principal Pharmacist Georges modestly ascribed his election to the patriotism of his colleagues and to their wish to honour the army which has so gallantly defended France for the last two years and more. The last military President of the Society was Pharmacist Inspector Burcker (1893), for Principal Pharmacist Barillé, elected Vice-President at a later date, died before he reached the presidential chair. M. Georges is now sixty-six years of age. He commenced his pharmaceutical career in 1873, and after passing through the Val de Grace Military Hospital served in Algeria and Tunisia. In 1892 he came back to Val de Grace as assistant professor, and five years later he replaced M. Burcker as head professor. I had the pleasure of being personally conducted by him through the various services of this important institution, an account of which appeared in the *C. & D.*, July 30, 1898, p. 176. In that year he became a member of the Society of Pharmacy, and duly repelled the tradition which decrees that the newcomer shall serve as Annual Secretary of that body. In 1894 he was promoted second-class principal pharmacist, and five years later was sent to Marseilles as Director of the Reserve of Medical Stores, a post from which he retired in the following year.

The Cultivation of Medicinal Plants.

In an article on medicinal plants, which appeared in our issue of March 24 (p. 43), we outlined the measures which the German Pharmaceutical Association is taking to promote the cultivation of medicinal plants. In France a similar movement is in progress, of which details are given in our French contemporary "L'Union Pharmaceutique," and which may be summarised as follows: Before the war most of the medicinal plants used in France were imported from abroad, notably from Germany and Austria, and several millions of francs thus left France every year. Since the war there has been a scarcity, and even a complete dearth, of these plants in the market, not only in France, but also in Allied countries, England and Russia, and prices have consequently increased considerably. The cultivation of medicinal plants in France is not advised, as all cultivation, on however small a scale, requires much time and labour. It also presents great risks, as exact details of cultivation are not well known. On the other hand, there are hundreds of plants which can easily be gathered in the highways and byways in large quantities from the beginning of March to the end of October. The work of gathering is easy, and could be done by persons who are unfit for arduous work, such as children, aged persons, convalescents, and maimed soldiers. Already schools and convalescent hospitals have started the work with profit. In order to know what plants are mostly required, intending collectors are asked to write to the Syndicat Général de la Droguerie in Paris for a calendar of medicinal plants, which is supplied gratis. In this booklet a list of over 200 plants is given which are likely to be bought by druggists. The collector is thus able to indicate the plants which are most common in his own neighbourhood, and if he sends a list of these to the Syndicat, the plants to which preference should be given will be advised, and at the same time the addresses of the druggists who will buy them will be given. Thus by the intermediary of the Syndicat the collector gets into immediate touch with the buyers. The calendar also describes how the plants are to be gathered, whether the whole plant, the leaf, or the flower only is required, and the buyer will, if necessary, supply samples, while further information could generally be obtained from the village druggist or schoolmaster. Particular attention is called to the drying of the plants, as the valuable properties of the herbs may be lost by carelessness in this respect. Plants can be dried easily in a well-aired loft, but if large quantities are gathered a special drying-room will be indispensable, the construction of which will entail some expense. By an arrangement with the purchaser this expense may generally be borne by him. The inhabitants of the villages can by this scheme derive real pecuniary profit by the collection of medicinal plants. It is hoped that pharmacists in the provinces will interest themselves in the scheme, and that with the collaboration of the village schoolmasters they will encourage the children and the war-broken men to found a small industry in their district which, at any rate, will prove a boon to households where there are numerous children.

Australasian News.

Lysol Trade-mark.—The application of C. J. Hewlett & Son, Ltd., London, E.C., for the avoidance or suspension of the trade-mark "Lysol" has been refused.

Signing Prescriptions in Victoria.—By the new Medical Amendment Act, every written prescription of a legally qualified medical practitioner must be dated and bear the address and usual signature (including the surname) of such practitioner, under a penalty not exceeding 5*l*. Every prescription written since December 28, 1916, has been subject to this provision.

Serum Manufacture is to be undertaken by the Federal Institute under the general direction of Dr. J. H. L. Cumpston, Director of Quarantine, and the supervision of Dr. W. J. Penfold, of the Lister Institute, London. It is stated that diphtheria antitoxin, manufactured at the Institute, will be available for distribution in six months. The manufacture of other serums will be undertaken in succession. It is stated that 15,000*l*. worth of diphtheria antitoxin has been imported from Britain and America yearly.

Prohibited Preparations.—A proclamation in the "Commonwealth Gazette" of January 25 prohibits the importation into Australia of the following medicinal preparations in the interests of public health and welfare:

The Keeley Cure for Opium Habit, Drunkenness, Neurasthenia, Tobacco Habit (the Leslie E. Keeley Co., Dwight, Illinois); Woods' Treatment for Alcohol, Drug, and Tobacco Habits (E. J. Woods, Ltd., London); Drink Habit Cure (Neale Institute Co., Des Moines, Iowa); Dipsosava (Venn's Chemical Co., England); Dipsocure (The Carlton Chemical Co., England); Antidipso (Ward Chemical Co., England); and any other preparation purporting to be a remedy for drunkenness, alcoholic habit, opium habit, tobacco habit, cocaine habit, or other drug habits.

Proprietary Medicines in Queensland.—The regulations recently made under the Food and Drugs Act regarding proprietary medicines contain the following clauses:

(11) Any drug packed for sale under a fancy or invented name shall wherever such name appears upon any label relating thereto be written with a capital letter, and the said fancy or invented name wherever it appears on a package containing such drug shall in addition be enclosed within inverted commas.

(12) A proprietary preparation or patent medicine shall not be named or advertised in such a way as to conceal its proprietary character and lead the purchaser to believe that it is a simple chemical or vegetable drug ordinarily purchasable in small quantities instead of a proprietary substance or mixture of substances.

Venereal Diseases in Victoria.—On January 25, 1917, a conference between six representatives of the British Medical Association and six representatives of pharmacists was called by the Minister of Health to decide upon the list of drugs to be specified by regulation in accordance with Section 5 of the Venereal Diseases Act, viz.:

"This section shall not apply to a registered pharmaceutical chemist who . . . sells or supplies any drug or medicine (except such drugs or medicines that are specified by regulation under this part of this Act) in the ordinary course of his business, provided that such drug or medicine is not prescribed by such chemist for any person suffering from any venereal disease for the purpose of curing, alleviating, or treating such disease."

The Conference will report to the Minister, and its decision will be embodied in a regulation.

U.K. Imports and Exports.—We notice that as from April 2 the London Customs Bill of Entry ceased to publish the names of the countries from which our imports are shipped or consigned, and the destinations of exports are no longer published.

Legal Reports.

Two Actions by Mr. E. J. Duff, chemical engineer, Liverpool, against the Ammonia Soda Co., Ltd., Plumbley, came before Mr. Justice Darling in the High Court, London, and were disposed of on March 28. One was a breach of contract case, and the jury gave their decision on the previous day, but defendants' counsel questioned it, and after argument his Lordship gave judgment for plaintiff, adding that damages would be ascertained in the manner agreed between the parties—viz., 5 per cent. on 50,000*l.*, which, and not 200,000*l.*, represented the value of the proposed plant before the Government stepped in. In the second case Mr. Duff sued the company for damages for libel, and a settlement was announced. Defendants offered an apology, and agreed to pay costs, which plaintiff accepted.

An Insurance-prescription Case.—At Birmingham on March 30, Raynes, Ltd., dispensing chemists, Bath Row, were summoned, under Section 6 of the Sale of Food and Drugs Act, 1875, for selling a drug not in accordance with the demand of the purchaser. Mr. C. J. Minshull, who prosecuted on behalf of the Corporation, said the case was interesting, inasmuch as it arose from a regulation issued by the Insurance Commissioners at the end of last year, whereby a drug sold as part of a prescription under the National Insurance Act is deemed to be a sale for the purposes of the Sale of Food and Drugs Act. The prescription taken to the defendants' shop to be made up ordered

Potassium iodide	... ...	240 gr.
Ammonium carbonate	...	48 gr.
Chloroform-water to	...	8 oz.

This was dispensed, and on analysis the mixture was found to be 20 per cent. deficient in potassium iodide and 10 per cent. in ammonium carbonate. Mr. Pritchard (who appeared for defendants) pleaded guilty on behalf of his clients, and explained that the deficiency was due to a mistake on the part of a lady dispenser, who, instead of using the apothecaries' weight, used the ordinary avoirdupois scale. The lady came to Mr. Raynes with a twelve years' character, and she was said to be a very good dispenser, who had done National Insurance dispensing. She had been only twelve days with Mr. Raynes when the mistake occurred, and he discharged her the moment he knew of it. The Magistrates accepted the explanation, and imposed a nominal fine of 20*s.*

Pharmacy Act: Morphine Sulphate.—At the Marylebone Police Court, London, before Mr. Denman, on April 3, Asprey & Co., Ltd., jewellers, 165-7 New Bond Street, were summoned by the Pharmaceutical Society, under Section 17 of the Act, for selling morphine sulphate, a scheduled poison, to a person unknown to them without entering the transaction in a book kept for the purpose, with the signature of the purchaser, and a declaration as to the purpose for which it was required. Mr. W. H. Quarrell, who represented the Society, said that on March 5 George Waldock, one of the Society's inspectors, purchased at the defendants' shop, without any of the restrictions prescribed being observed, a handsome silver case containing, amongst other things, twenty tabloids of the drug, which were made by Burroughs Wellcome & Co., and labelled "Poison" by them. He paid 1*l.* 3*s.* 6*d.* for it. Mr. Denman asked if defendants had a chemical department. Mr. Quarrell replied that they had not, and they were not chemists and druggists. They kept a large quantity of the article, and the view of the Society was that here was an article, used for hypodermic injection, of a very valuable nature in the hands of a physician, surgeon, or trained nurse, but if in the form of these tabloids it found its way into the hands of inexperienced persons, as it might very easily do if sold in this way without regard to restrictions or conditions, which become exceedingly dangerous. For that reason the regulations as to its sale needed to be strictly observed. Mr. E. H. Harvey appeared for the defence and tendered a plea of guilty, after which the Society's analyst described to the Magistrate the nature of morphine sulphate and how dangerous it is. Mr. Denman said the penalty prescribed seemed a very small one. Personally, he saw very little distinction between this case and those of the surreptitious dealing in cocaine, with a large number of which he had to deal some time ago. There had been a distinct breach of the Act under which these proceedings were taken, and, as far as he could see, for no good or necessary purpose. It was a peculiar thing that a firm of distinguished jewellers in the West-end should have sold this article. Defendants would be fined 5*l.*, with 10*l.* 10*s.* costs.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

D. Massie Co., Ltd. (P.C.).—Capital 500*l.* Objects: Vendors of patent medicines, etc. The subscribers and first directors are T. L. Wade and C. Wells. R.O., 8 North St. Andrew Street, Edinburgh.

W. Fearn, Ltd. (P.C.).—Capital 100*l.* Objects: Manufacturers of and dealers in "Fearn's Family Pills," etc. The subscribers are J. W. Naake and J. Krarup. R.O., 34 Parliament Street, Nottingham.

Ames, Ltd. (P.C.).—Capital 100*l.* Objects: House and insurance agents, chemists, druggists, druggists' sundriesmen, etc. The subscribers are R. Sunnucks and F. F. Payne. R.O., Cromwell House, High Holborn, W.C.

Igarda Preparations, Ltd. (P.C.).—Capital 5,000*l.* Objects: Manufacturers of and dealers in medicinal and toilet preparations, perfumes, soap, oils, etc. The subscribers are G. A. Cooper and T. R. Fry. R.O., 194 Bond Street, W.

E. T. Knight, Ltd. (P.C.).—Capital 500*l.* Objects: To take over the business of Knight & Co., chemists and druggists, 23 Northumberland Avenue, W.C. The first directors are E. T. Edwards and Mrs. M. E. Edwards. R.O. as above.

Tyers & Thirlby, Ltd. (P.C.).—Capital 1,000*l.* Objects: To take over the business of Tyers & Thirlby, wholesale chemists and makers of baking, egg, and custard-powders, 3 Hinckley Road, Leicester. W. J. Lewis is permanent director. R.O. as above.

Harvey Free, Ltd. (P.C.).—Capital 1,250*l.* Objects: To carry on the business of manufacturers of and dealers in surgical instruments, etc. The subscribers and first directors are W. Harvey Free and J. Dickinson. R.O., 32 Charing Cross, S.W.

R. & M. Lilly, Ltd. (P.C.).—Capital 1,000*l.* Objects: To take over the business of medical botanists and importers and vendors of drugs, etc., carried on by J. Fisher as "R. & M. Lilly." The subscribers are J. Fisher and Miss B. Lilly, both of 10 Colston Street, Bristol.

Abel Manufacturing Co., Ltd. (P.C.).—Capital 2,000*l.* Objects: To take over the business of manufacturers of and dealers in compressed drugs and pills carried on b[illegible] F. Atch as Abel & Co. and C. F. Abel & Co. The su[illegible]ibers and first directors are C. F. Abel and F. A. Abe[illegible] R.O., 66-8 Union Street, Boro, S.E.

Taylor's Drug Co., Ltd.—The dividend on the [illegible] per cent. preference shares has been paid.

Price's Patent Candle Co., Ltd.—The annu[illegible] meeting was held at the Cannon Street Hotel, E.C., o[illegible] March 30, Colonel M. Studholme Brownrigg in the chair. [illegible] in moving the adoption of the report (*C. & D.*, March 24, p. 38), the Chairman said the company had again established fresh "records," as the profits are some 68,000*l.* more than in 1915. He reviewed the various financial items and principal operations of the company, and alluded to the fact that very considerable quantities of their manufactured products were being supplied to the Government, including the whole of their production of glycerin. It had, therefore, been necessary in some degree to limit their deliveries in other directions. The report was unanimously adopted.

Evans Sons Lescher & Webb, Ltd.—Sir Edward Evans, chairman of the directors, presided at the annual general meeting of the company held at 56 Hanover Street, Liverpool, on March 30. In the course of his address moving the adoption of the report, he alluded to the retirement of his brother, Mr. John J. Evans, from the chairmanship of the company and the loss suffered by Mr. William P. Evans through his son, Captain S. H. S. Evans, being killed in action. He also referred to Mr. Stephen Webb and Mr. C. Webb being on service, and to the fact that several hundred of the company's employés are also with the Colours. Speaking of the year's business, Sir Edward stated that the volume of trade done showed a large increase, but the ratio of profits was not so high as in 1915, while the cost of handling goods and other incidental expenses were much greater. Referring to the development of the business abroad, he mentioned that the company had three experienced representatives in South America speaking the languages of the country, but two of these had been called to join his Majesty's Forces, and Sir Edward regretted that the authorities could not meet them in the matter, for it was impossible to replace men of this type,

while the difficulty of retaining trade in South America is great, especially as the United States are keen competitors there. Sir Edward also alluded to the Federation of British Industries, of which he is a member of the Executive Committee, and stated that it is likely to become a very important body. Part of its duty is to collect information from all traders for the purpose of laying before the authorities the result of its inquiries, leaving the Government of the day to deal with them. Touching upon the excess-profits tax, Sir Edward said he did not pretend to criticise it, as it is a difficult subject, but he thought many amendments ought to be made in reference to its incidence as affecting progressive firms such as their own. Mr. E. A. Webb seconded the motion, and the report was adopted unanimously. On the motion of Mr. Andrew (Southport), seconded by Mr. W. Brinson, Mr. W. P. Evans, Mr. A. B. Evans, and Mr. H. E. Webb, the retiring directors, were re-elected, while Chalmers Wade & Co. were re-elected auditors. Mr. J. J. Evans, as ex-chairman of the company, proposed a vote of thanks to Sir Edward Evans for the able way in which he had occupied the chair, and congratulated him on his excellent speech. Any confidence the shareholders may have had in him in the past they could safely place in Sir Edward. Mr. J. McCaig seconded the vote, which was carried unanimously, and Sir Edward replied.—Warrants have been posted for the half-year's dividend on the 5 per cent. cumulative preference shares due April 1.

Bankruptcy Report.

Re Septimus Walgate, trading as Leath & Ross, 58 Duke Street, Grosvenor Square, W., Homœopathic Chemist.—The public examination of this debtor was held at the London Bankruptcy Court, before Mr. Registrar Mellor, on April 3. He filed his petition on January 29, and furnished accounts showing liabilities 2,799*l.* 12*s.* 8*d.*, against assets valued at 423*l.* 12*s.* 3*d.* Replying to Mr. Egerton A. Grey, Official Receiver, the debtor stated that he qualified as a chemist and druggist in 1881. In 1892 he joined Mr. Ross in partnership, paying 500*l.* for a one-fourth share in the business. Three years later the partnership was dissolved, and witness received 1,000*l.* as his share in the concern. He next purchased a chemist's business at 78 Broadway, Ealing, for 1,250*l.*, and carried it on until 1898, when, in consequence of the death of Mr. Ross, the business of Leath & Ross came into the market. He thereupon sold the Ealing business, and purchased "Leath & Ross" for 1,250*l.* and continued that business under the original style. Owing to the severe illness of his wife, witness had to leave the conduct of the business to others, with a disastrous result; the takings fell away, and he had to borrow money. The war put a stop to his export trade, which had yielded a substantial profit. The examination was concluded. The following are the principal creditors: *Unsecured*: "British and Colonial Druggist," 33*l.*; Brown, Gould & Co., 15*l.*; Boord & Son, 28*l.*; Butler & Crispe, 20*l.*; Exors. of the late Mrs. Burdoss, 180*l.*; C. T. Barnes, 243*l.*; W. Edwards & Son, 34*l.*; Eldridge & Morris, 110*l.*; L. Fortescue, 108*l.*; Gliddon, Ltd., 33*l.*; Hodgkinson, Prestons & King, 15*l.*; Homœopathic Publishing Co., 37*l.*; S. & F. S. James, 66*l.*; Thomas Meadows & Co., 13*l.*; "Pharmaceutical Journal," 23*l.*; H. Stonehouse, 538*l.*; Mrs. E. L. Walgate, 650*l.*; Miss G. V. Walgate, 250*l.*; W. Walgate, 25*l.*; C. Walgate, 25*l.*; A. Walgate, 14*l.*; Sparks, White & Co., Ltd., 10*l.* *Preferential*: Rent, 156*l.*; rates and taxes, 20*l.*

Births.

Drummond.—At 1 Learmonth Street, Falkirk, on March 24, the wife of R. Gordon Drummond, jun., pharmacist, of a son.

Massie.—At 24 Market Square, Oldmeldrum, on March 31, the wife of John Massie, pharmacist, of a son.

Milne.—At 71 Desswood Place, Aberdeen, on March 31, the wife of Joseph Milne, dispensing chemist, of a daughter.

Deaths.

Blackstone.—At Kes Tor, Chesham Bois, Buckinghamshire, on March 31, Mr. Arthur W. Blackstone, junior director of H. B. Sleeman & Co., Ltd., aged thirty-five. Mr. Blackstone had been in failing health for some time, and his death is much deplored by all with whom he was associated, including his fellow-directors.

Broom.—At 35 Abbey Street, Clifton, York, on March 10, Mr. Thomas Broom, chemist and druggist, aged seventy-seven.

Edmonson.—At 29 Old Hall Road, Sale, Cheshire, on March 23, Mr. John Edmonson, chemist and druggist, aged thirty-five.

Folkard.—At Bootham Park, York, on February 17, Mr. Montague Folkard, chemist and druggist, aged sixty-three.

Hustwick.—At Wellington, New Zealand, on December 23, Mr. Thomas Hopper Hustwick, pharmaceutical chemist, aged seventy-nine. He passed the Major examination of Great Britain in 1861, and emigrated to Australia, but in 1892 went to Wellington, New Zealand, where he became an official of the Central Pharmaceutical Association and of the first Pharmacy Board, resigning these on receiving an appointment as Inspector of Explosives. He retired in 1909. He leaves a widow, two sons, and a daughter. The sons are Mr. Albert Hustwick, chemist, Woodville, N.Z., and Mr. Reginald Hustwick, who is with the Expeditionary Forces.

Jones.—At 3 Osborne Terrace, Bangor, on March 19, Mr Hugh Lloyd Jones, chemist and druggist, aged seventy-two.

Kay.—At Charlestown, Stockport, on March 28, Mr. Samuel Kay, J.P., chemist and druggist, of Almroth, Pembrokeshire, and St. Petersgate, Stockport, aged eighty-four. Mr. Kay was the elder of the two brothers who founded the business of Kay Brothers, Ltd., Stockport, the late Thomas Kay, J.P., who died in October 1914, being the younger brother. Mr. Kay was a native of Heywood, and having been apprenticed to the drug-trade he went to Stockport, where he commenced business on his own account, and in 1867 was joined in partnership by his brother, who had come from Squires, in London, four years before. At that time the business was in Lower Hillgate. Subsequently the firm removed to St. Petersgate, and the business developed greatly owing to the success of coaguline and compound essence of linseed, so that in 1887 it was converted into a limited company with a capital of 100,000*l.*, Mr. Samuel Kay being the chairman. He was a man quiet in disposition, nevertheless he did a great amount of good in Stockport, and was a very generous supporter of local institutions. At the Police Court on March 30, the Chairman said that everyone who knew Mr. Kay held him in the highest possible respect and esteem. He was appointed a magistrate in 1893, and he had proved himself to be kind hearted and generous, while on all occasions when money was required for a good object he did his best to supply the need. In this connection the Chairman recalled that on one occasion Mr. Kay gave him 1,000*l.* in bank-notes for the purpose of buying some land for adding to the building of the Technical School. Mr. Kay leaves a widow, one son, Mr. Vernon Kay, and two daughters. The funeral took place at the Borough Cemetery on Monday, the service being held at St. George's Church.

Milne.—At Aberdeen, on March 26, Mr. John Milne, chemist and druggist, aged seventy-seven. Mr. Milne carried on business at Fetterangus for forty years, and retired to Aberdeen about eight years ago. Mrs. Milne and three children survive him.

Owen.—At London Street, Faringdon, Berks, on March 25, Mr. Reginald Joseph Owen, chemist and druggist, aged thirty-four. He passed the Minor examination in July 1907, and about five years ago succeeded to the business of Mr. Loveridge.

Von Heyden.—At Dresden, on March 10, Mr. Arthur von Heyden, formerly director of the chemical-manufactory von Heyden, Radebeul.

Died on Service.

Holloway.—From pneumonia, while serving with the Australian contingent, Thos. P. Holloway, R.A.M.C. Mr. Holloway was a native of Caher, Ireland, and was for a time employed as a chemist in Dublin.

Sutcliffe.—Private Walter H. Sutcliffe, of the East Lancashire Regiment, who has been killed in action, was in his twenty-first year, and had been five years with Mr. Walker at the Duke Bar Drug Stores, Burnley.

Williamson.—Killed in action on March 27, Captain Charles Harry Williamson, M.C., attached to the R.F.C. He was a pharmaceutical chemist connected with Blyton, Astley & Co., Manchester, and went out in 1914 with the 1/7th Manchesters, and was promoted Captain in Gallipoli. He was awarded the Military Cross for services rendered in the Battle of Romani. He was married when home on sick-leave on November 1, 1915, and returned to Egypt on January 7, 1916.

Index Folio 330

Business Changes.

Prichard & Constance, Inc., New York, have removed from 49-51 West 23rd Street to 48 Warren Street.

Mr. H. W. Langmead has commenced business as a chemical-merchant and commission agent at 143 Fenchurch Street, London, E.C. 3.

The business of Thomson & Taylor, chemists, Bombay and Poona, has been changed in so far as the partnership between Charles Bradshaw Robinson and James Welch was dissolved as from April 30, 1916, by the retirement of Mr. Welch. Mr. Robinson is continuing the business under the name Thomson & Taylor.

Clay, Dod & Co., 52 St. Anne Street, Liverpool, announce that they have disposed of their business in its entirety to Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool, who have taken over their stocks, premises, and most of the members of the staff (including their manager, Mr. C. E. J. Sendall) on eminently satisfactory terms. The business has been established at the above address for over a century.

Personalities.

Mr. A. V. Baxter, of the Erasmic Co., is on a visit to India.

Mr. Percy J. Ashfield, chemist and optician, Rhyl, was highly complimented for his dispensing work at the annual meeting of the Rhyl and District Red Cross Hospital subscribers.

Mr. Ratcliffe, chemist and druggist, who has been Acting-Superintendent of the Runcorn Military Hospital at Dutton, Cheshire, has been appointed Deputy-Superintendent-Registrar at Salford.

There are a few knights who are registered chemists and druggists, but the official register contains none. The Medical Register is not so contemptuous of honours, and we suggest that the Pharmaceutical Registrar should follow the medical example before he or any other official receives the accolade.

Mr. Arthur Henry Jenkin, who has been nominated by the London County Pharmaceutical Association and the Metropolitan and Home Counties Joint Committee for a vacancy on the Pharmaceutical Council, is a man on the bright side of fifty, and his association with pharmacy commenced in 1886, when he was apprenticed to the late O. R. Dawson, Southampton. In due course he came to London, and passed the Minor examination in July 1892. Some time after he purchased a business in North London, which he carried on until 1908, when he was appointed pharmacist to the City of London and East London Dispensary. He still retained an interest in retail business, and devoted much time to the re-organisation of London pharmacy. He has filled a number of offices which have enabled him to put in good work for the craft. Among these are the following: Secretary of the North London Pharmacists' Association, Chairman of the Pharmaceutical Committee, Vice-President of the Public Pharmacists' Association, Secretary and Business Manager of "The Script." He is also a member of the Local Associations Executive, Paymaster and Platoon Commander of the Pharmacists' Volunteer Corps, while at present he is the President of the London County Pharmaceutical Association. Mr. Jenkin is one of the men who have come to the front in England since the National Insurance Acts came into force. In his case this is due to a personal knowledge of the business and intimate acquaintance with the trading conditions that Insurance dispensing taps, but Mr. Jenkin adds to these ability to digest the opinions and experience of those with whom he is associated, and to express these in a forcible and pithy way. He should make a good Councillor.

Mr. A. H. Jenkin.

Quince-seed.—Arrivals of quince-seed at New York have been detained by the Customs on account of the dirt and foreign matter they contain.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C. 4."

Qualitative Analysis.

A mixture of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, April 10, on which day the samples will be posted. Students' reports will be received up to Saturday, April 21. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the final exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports.*

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

The Government and the Metric System.

Mr. Bonar Law has informed Sir Henry Norman, M.P., that it is unlikely that the Imperial Conference will be able to consider the question of the adoption of the metric system of weights and measures and a decimal system of coinage.

Venereal Diseases.

The Women's Freedom League, in a letter to the Home Secretary, ask, in place of Clause 2 of the Criminal Law Amendment Bill, for a clause making the presence of infectious venereal disease in the case of either husband or wife a ground for divorce.

Spirits in Bond.

In the House of Commons on March 30, Mr. Roberts (Secretary to the Board of Trade) stated that on July 31, 1914, the quantity of spirits in bond was 158½ million proof gallons. The latest available figures are the end of February, when 156½ million proof gallons were in bond.

Insurance Advisory Committee.

Sir Edward Cornwall announced in the House of Commons, on April 2, that he has reconstituted the Insurance Advisory Committee and reduced the membership from 168 to about thirty to save expense and obtain a more workmanlike body. He is prepared to add one or two more doctors to the Committee or, alternatively, to appoint a small medical Advisory Committee. The former Advisory Committee held forty meetings, and the cost of summoning each was about 600*l.*

Acid and Superphosphates.

Dr. Addison informed Mr. G. Lambert on April 2 that in order to provide sufficient acid for the manufacture of explosives it has been necessary to curtail the supplies of acid normally used for making superphosphates. In view of the urgent needs of agriculture steps have been taken to release for the production of fertilisers the largest possible quantity of acid consistent with the essential requirements of munitions. Replying also to questions by Mr. Flavin, Dr. Addison said, "We produce the acid, but the distribution is not our business."

Public Dental Service.—The medical papers are paying attention to this subject, and "The Lancet" of March 31 contained an article in the course of which particulars were given of the work done by the Public Dental Services of Birmingham, Bournemouth, Brighton, Glasgow, Nottingham, and Reading with the fees charged by each.

Chemical Society.

The Annual General Meeting of the Society was held at Burlington House, London, W., on Thursday afternoon, March 29, when there was a large attendance of members. Dr. Alexander Scott (retiring President) occupied the chair. The report of the Council was taken as read, and the Treasurer (Dr. M. O. Forster) then submitted the financial statement. The most important item in the latter was the credit balance on the year's working of 1,855*l.*, as compared with a surplus of 821*l.* in the previous year (1915). This balance was to a considerable extent explained by the reduction in the cost of producing the "Journal," and by less research work being carried on. This latter was a matter for regret, but it was satisfactory that the men usually doing research work are now engaged in work of greater national importance, while at the same time a useful nest-egg for the Society is resulting. Notwithstanding the abnormal number of removals from the membership from various causes there was only a net decrease of six. Speaking of the "Journal," Dr. Forster showed how the war had affected its size, and said that they anticipated a still further diminution this year, but not a corresponding fall in the cost, as their paper bill would be at least 600*l.* more this year than it was in 1916. The surplus had been invested in War Loan, of which 2,000*l.* worth had been taken up. The research fund had received donations of 1,000*l.* from Dr. Longstaff, 1,000*l.* from Mrs. and Miss Müller, commemorating the long association of Dr. Hugo Müller with the Society, and 500*l.* from Dr. Alexander Scott. These sums, with 600*l.* of unexpended balances, were also invested in War Loan to the extent of 3,100*l.* Dr. Forster concluded by proposing a vote of thanks to the auditors, which was duly acknowledged. On the motion of Dr. L. T. Thorne the report and financial statement were adopted. Professor J. Millar Thomson then proposed a vote of thanks to the retiring office-bearers. The secretarial work of the Society is no joke, he said, but the placid way in which it goes on is a great relief to the older members. He did not profess to know much of the financial work, but he was sure that that, too, was well done. The motion was seconded by Mr. E. C. Albright, and acknowledged by Colonel Haycock. Dr. Scott proceeded to give his presidential address on "The Atomic Theory," introducing his subject by a biographical reference to Stas, of Louvain, the centenary of whose birth was celebrated four years ago. Stas was born on August 25, 1813, and was trained for medicine, and qualified, but did not practise. From Belgium he went to Paris, and after much difficulty he obtained an interview with Dumas, who at once accepted him as a student, and later as a collaborator. Dr. Scott mentioned that the first occasion in which he was in the Chemical Society's rooms was at the Stas memorial lecture (the first of its kind), on the first anniversary of his death. During the twenty-five years that had passed since then much had been done, and even atoms themselves, which at that time were indestructible, seem to have been broken up. At the close of the address a cordial vote of thanks to Dr Scott was passed, on the motion of Sir William Tilden, seconded by Professor Brereton Baker, of the Imperial College of Science and Technology. The result of the ballot for the election of the new officers was announced. The Council's proposals were endorsed, and the new President is Professor William Jackson Pope (*C. & D.*, March 10, p. 82).

Society of Chemical Industry.

A Meeting of the London Section was held at Burlington House, Piccadilly, W., on April 2, Mr. A. R. Ling in the chair. The first paper read was on

The Action of Acetic Acid on Aluminium.

This was by Dr. R. Seligman and Mr. Percy Williams in continuation of a previous paper regarding the action of acetic acid on aluminium (*C. & D.*, January 8, 1916, p. 53). In the paper read last year the authors dealt with the action on aluminium of boiling concentrated acetic acid, and in the present paper the effect of weaker acetic acid in the cold and at boiling temperature was summarised. The blackboards were covered by charts showing the findings of the authors. It was found that the action of acetic acid, small when concentrated, rises as the acid is diluted. At 0.02 per cent. the action is most marked. There is a difficulty in determining the exact conditions at low dilutions owing to the formation of crusts of either basic acetate of aluminium or colloidal aluminium. The authors emphasised the importance in designing plant of aluminium of ensuring that there are no nooks or crannies where corrosion can occur. It is local corrosion that is the most serious factor in using aluminium. The effects of the addition of small percentages of hydrochloric acid, hydrobromic acid, hydriodic acid, sulphuric acid, and nitric acid were next mentioned. In boiling 10-per-cent. acetic acid containing these impurities there was but little increase in action, but in the case of acid of the same strength at boiling temperature there was considerable increase except with hydrobromic acid and nitric acid. With cold 80-per-cent. acetic acid there is considerable increase in the effect, which is greater when the acid is allowed to act at the boiling temperature. Dealing with the immunity of corrosion from nitric acid the authors mentioned that it has been found that the presence of nitrates neutralises the corrosive effect of chlorides. The last part of the paper dealt with the influence of oxygen in causing corrosion of aluminium, experiments being summarised to show that in local attacks the presence of oxygen is an essential condition. Methyl alcohol, it was stated, acts fairly rapidly on aluminium in the presence of oxygen, but the action does not take place *in vacuo*. As a practical point which should be borne in mind by users of aluminium vessels the importance was emphasised of rapidly cleaning and drying vessels which have contained acids, as thin films of acid exposed to air attack aluminium rapidly. The corrosive effect on the condensers of stills used for acids could be prevented by replacing the air by an indifferent gas, such as carbon dioxide. The discussion which followed was well maintained. Mr. Boake, who expressed the opinion that corrosion is due to local impurities in the metal, mentioned a case where mercury from a broken thermometer quickly acted on an aluminium still to such an extent that holes were produced in the metal. Mr. E. T. Brewis inquired as to the action on aluminium of highly aërated water, such as is returned from a cooling-tower. Dr. Seligman, in reply, said that aluminium containing ½ per cent. of copper is not acted upon by mercury, and that oxygenated water such as Mr. Brewis referred to would not have any effect on aluminium. He mentioned that the commercial aluminium is of 99.6 to 99.8 per cent. purity.

Nitrated Castor Oil.—The next paper, by Mr. R. Brightman, dealt with an investigation on methods of producing nitrated castor oil. He finds that nitration is best conducted by means of dilute nitric acid. The composition of the product, he finds, is a triglyceride of the nitric esters of ricinoleic acid. Mr. W. F. Reid, who has worked on this subject for some years, said that the product obtained by the author cannot be fully nitrated. It is necessary to employ strong nitric acid in the process. Mr. Reid had several interesting observations to make as to the composition of castor oil, and hinted that the nitrated oil is being employed for important munition-purposes.

New Books.

Fieldhouse, A., and Fieldhouse, E. E. *Income Tax Simplified.* 6¾ × 4½ in. Pp. 77. 1*s.* (Simpkin, Marshall & Co., Ltd.) [This is described as a practical guide to the preparation of the return for assessment for income-tax, and, so far as we have read the pamphlet, it appears to us to cover all the ordinary cases which are likely to arise in drug-businesses. A few pages at the end give the method of securing exemption and obtaining repayment of tax when the income from all sources does not exceed 130*l.* per annum.]

Maiden, J. H. *A Critical Revision of the Genus Eucalyptus.* 12 × 9½. Vol. III. Parts 7 and 8. 2*s.* 6*d.* each. (Gullick, Government printer, Sydney, N.S.W.) [These are parts xxvii. and xxviii. of the complete work, and each contains four plates. The Eucalypts dealt with are *E. maculosa*, *E. præcox*, *E. ovata*, *E. neglecta*, *E. vernicosa*, *E. Muelleri*, *E. Kitsoniana*, and *E. viminalis*.]

Henna is extensively cultivated in the fields of Tripoli, always under irrigation. The small plants are raised in nurseries and transplanted in the spring, in parallel rows at a distance of 50 by 50 centimetres. No manure is applied, but irrigation is carried out every six days. The plants are cropped for about twelve years, the maximum growth being reached in the second or third year. The crop is usually gathered in February, and again in August or September, the whole of the plant above ground being cut. The annual yield of dried leaves varies from 15 to 19 cwt. per acre.

Index Folio 332

Observations and Reflections.

By Xrayser II.

The Present Snowfall

is the heaviest of the year in my neighbourhood, and summer-time begins a week hence. I welcome the announcement, and hope summer itself will take the hint and not delay much longer. Meanwhile I am marvelling once more at the exceeding whiteness of the snow. My text-book of physics tells me it is due to reflection, but I doubt whether simple reflection will account for it. The American writer Mr. Van Dyke, in his delightful book "The Mountain," says more convincingly that it is due to refraction, which, after all, may be what the text-book means. There are more than a thousand different forms of snow crystals, every one of which breaks up the light that falls on it into its prismatic colours, and the light recomposed by this wonderful mixture of colours has a brilliance of its own far exceeding that of merely reflected light.

The Government Control of Exports

is one of the most serious of the war difficulties enumerated by an Export Merchant Shipper (*C. & D.*, March 10). Where one is dealing with bulk quantities the matter is simplified, but where manufacturers are concerned the most worrying part of the business is the extreme care required to prevent minute amounts of forbidden drugs or chemicals, present in fractional quantities in compound formulas, escaping notice and causing the holding-up of a shipment of goods till a licence to export has been obtained. The Customs people know nothing of the legal axiom *De minimis non curat lex*, and they look upon the despatch of 1,000 tablets containing in all 10 gr. of trinitrin in just as serious a light as they would look on a pound of pure nitroglycerin were that substance ever shipped in such a form. As a rule licences are not difficult to get; the matter is largely governed by routine, and there is no excuse for carelessness. Nevertheless, it not infrequently happens that shipments are held up through a difference of opinion between a shipper and a Customs officer, and in such cases very annoying delays are apt to occur.

The President's Defence,

before the Western Pharmacists' Association, of the Council's policy for secrecy was extremely weak and unconvincing. It amounted to this: that there are many matters which in the interest of members cannot be made known beyond the local Associations, to which circulars referring to them are sent, and that nothing is suppressed that members are "entitled" to know. If ours is really a representative Council this last remark is surely unfortunate. It implies that we have no claim, no right, to know everything that our own representatives are doing—a doctrine we have long suspected the Council of holding, but one that strikes at the root of representative government. As to the other plea, if everything that is not reported comes within the definition of matter that cannot safely be made public, there is indeed "something rotten in the state of Denmark." I prefer to believe that it is matter not worth publishing. I venture to predict that the anonymous criticism of which the President complains will not cease while the proceedings of the Council are so little known.

The Moral of the Atropine-lotion Case

clearly is that, however unreasonable it may be to treat the dispensing of poisons under medical prescription as direct sales to the public, we must comply with the letter as well as with what we conceive to be the spirit of the law, and the law certainly does require us to enter prescriptions containing poisons in "a book kept for that purpose." It may not matter whether they are copied into it, pasted into it, or "filed" in it, but entered in some way they must be. It has been contended that N.H.I. prescriptions should be, if actually they are not, exempted from this requirement. They do not, we are told, come within the category of retail sales. It is a contention which a lawyer is not likely to accept—unless he is retained to do so—and the Magistrate in the case referred to would evidently have none of it. However we may regard our contract, it is a contract to supply medicine at a price and the doing so is a sale. It is monstrous that we only should be harassed and hampered in this way, while doctors are exempt, but that is another story; it is the badge of our tribe.

Mr. Beacock's Reminiscences,

as told at Leeds, interested me greatly. My own reach, I think, a little further back. They are very similar, though in some respects they do not quite tally. I am afraid it is hardly true that the grocer anticipated any inroads we may have made on his trade, nor is it within my recollection that the cutting of proprietaries was begun by outsiders. The first systematic advertising cutter I remember was a registered chemist and druggist, with one shop only, in the leading thoroughfare of one of our largest cities. As far back as my memory reaches the better class of pharmacists did not stock many patents or push them at all; we kept the best-known articles only, but were always ready to procure others if they were asked for. Nevertheless, what it is the fashion to call pure pharmacy was even then only a part of our trade; we called ourselves "Dispensing and Family Chemists," and though we put dispensing first the "family" department was the larger portion of our business. Honesty compels me to add that though we got a good deal of dispensing we did a fair amount of prescribing too.

English Hexameters and Pharmacy

are hardly likely, one would have thought, to appeal strongly to the same person, yet our Laureate loves them both, and may be said to have *bridged* the distance between them in the sketch he gives in his "Winter Delights" of the progress of medicine from Hippocrates to Pasteur. He is an ardent bacteriologist, and Mr. Skinner himself does not expect greater things from bacteriology, or desire more fervently to see us discard our

> "Simples, compounds, specifics, chemical therapeutics,
> Juice of plants, whatever was nam'd in lordly Salerno's
> Herbaries and gardens, vipers, snails, all animal filth,"

in favour of the "one scientific intelligent hope" by which ultimately

> "Shall Pasteur obtain the reward of saintly devotion,
> His crown heroic, who fought not destiny in vain."

Whether these are hexameters or not—and they certainly seem to lack something of "the surge and thunder of the 'Odyssey'"—they contain matter upon which we shall do well to ponder.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

255/22. "Sadoline."
254/46. "Juradent" tooth-powder.
254/46. "Vema" pills.
256/7. Imbert & Co.'s hair-specialities: address of makers.
254/44. "Babago" for rheumatism.
255/30. "Petol" specialities, supply.
256/19. "Tis-Good" boot-polish.

INFORMATION SUPPLIED.

"Alkymol," 258/6
"Antexema," 25/29
Antiseptic shaving-blocks, 251/54
"Liqufruta," 247/55
Naftalan, 252/4
Neatsfoot oil, 240/51
Niblett's vital renewer, 242/58
Ovamammoids, 245/3
Palm-olive soap, 239/53
Phenacetin, 232/10
"Phenyle" disinfectant, 244/39
Powder-puffs, 250/24
Protosil silver compound 229/52
"Provao," 232/26
"Quala" rubber-milk sponges, 223/22 and 252/17
Queen's pomade, 248/50
"Rose and Lily Skin Cream," 243/63
Rubber sponges, 250/24
"Sugarene," 252/5
"Sugarlene," 252/5 and 256/51

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Editorial Articles.

The Sugar Position.

We explained last week that the appointment by Lord Devonport of a special Committee to consider the system under which sugar is distributed might have an important influence upon the distribution of sugar for pharmaceutical purposes. There was reason to believe that the new Committee would understand that the sugar necessary for the production of medicines is in a different position from dietetic supplies. This, we are glad to say, has been the result. A number of gentlemen, representing manufacturing and wholesale firms, were received by the Committee on March 29, and after some conversation the deputation was asked to nominate one of their number to state the case before the Committee. Mr. Charles A. Hill, F.I.C., President of the British Pharmaceutical Conference, was appointed to go before the Committee on Friday, March 30, which he did, and very ably put the facts in regard to the use of sugar in medicinal preparations more clearly before the Committee. He was followed by Mr. Woolcock, on behalf of the Pharmaceutical Society, as well as by a representative of medical-lozenge makers, the whole position being made clearer. The medical view had, unfortunately, been far removed from the facts in respect to general practice as well as household medicine. That view predominated until this evidence was given, and now, for the first time, the true position was understood, so that it is fair to anticipate some assurance that the supply of saccharine medicines will not be stopped as appeared to be the prospect.

"Aspirin" in U.S.A.

An Interesting Position in regard to the trade-mark "Aspirin" has arisen in the United States, where the patent-rights in acetylsalicylic acid have just expired, and the patentees (the Bayer Co.) are endeavouring, by means of their registered trade-mark "Aspirin," to continue the monopoly granted to them in the patent. It will be remembered that the British patent was found by the English High Court of Justice in 1905 to be invalid, but the trade-mark "Aspirin" had been registered, and by means of it (nobody being clever enough to use the mark or get it removed from the register) the Bayer Co. continued to have the monopoly of aspirin, although none in acetylsalicylic acid. The mark "Aspirin" was, however, removed in 1915 under the powers of the Patents, Designs, and Trade-marks (Temporary Rules) Act, and can be used by anyone to describe acetylsalicylic acid. Trade-mark law in the United States is not so settled as it is in this country, the Government registration of trade-marks being of comparatively recent growth. The Bayer Co. some months ago showed by an extensive campaign that they were going to try to maintain the patent monopoly by means of the trade-mark. The company advertised their aspirin extensively to the public. This did not help to increase the good will of the medical men. United States drug journals have published opinions of counsel obtained by the Bayer Co., which naturally support the German view of the case, but the National Drug-trade Conference has obtained counsel's opinion to the effect that "Aspirin" has become a generic name for acetylsalicylic acid and may be used by any manufacturer. We notice also that Lehn & Fink, of New York, are supplying acetylsalicylic acid under the name "Aspirin," and they announce that they are ready to assume the legal burden and defend any purchaser of their aspirin. Whilst we cannot naturally pose as

authorities on American law, we hope in the interests of the commercial relations between English-speaking races that in the coming legal fight the principle of American patent and trade-mark law will be proved to be the same as British law.

France and Imports.

A New French Decree, generally prohibiting imports into France and Algeria, has caused considerable perturbation among exporters in this country, many of whom since the war have been doing a large business with France. The full Decree is published in the "Board of Trade Journal" (March 29), and, judging by the rules set up, is of an arbitrary character. Summarising its provisions, we find that the prohibition does not apply to goods imported on account of the State or consignments which are proved to have been despatched direct to France or Algeria prior to the date of publication of the present Decree (March 22). Article 2 of the Order states that on the proposal of the Minister of Commerce exceptions from the prohibition may be allowed by the Minister of Finance, either of a general character or within the limits of the contingents to be fixed in accordance with the conditions laid down in Article 3. Article 3 then proceeds to establish a tribunal of officials (twenty-one in number) for the purpose of examining petitions for exceptions. This "Comité des dérogations aux prohibitions d'entrée" will examine and submit for the approval of the Minister of Commerce:

(1) Proposals for general licences in respect of certain goods;

(2) The quarterly contingents of imports for specified products, the contingents being fixed according to the kind of goods and origin thereof;

(3) For each contingent, a scheme for dividing the goods among the various industrial and commercial groups in France in proportion to their essential needs.

There are other provisions, including the payment of a fee for applications for import licences. The British Board of Trade understands that the prohibitions of import are not yet in force, and that the Decree will not be brought into force until the contingents referred to in Article 3 of the Decree have been fixed by the "Comité des dérogations." On the surface it looks as if it will be necessary for the various industries to pool their requirements, and the problem of distribution will demand delicate adjustment. As the Decree stands, it will certainly add to the difficulties under which drugs and chemicals are exported from London. We understand that there is much opposition against the Decree in France, it being evident that the individual merchant is going to be isolated. In the latest issue of the War Bulletin of the British Chamber of Commerce, Paris, we notice that immediate steps will be taken by the Chamber to protect British interests. Meanwhile, shippers are recommended to apply as before to the French Licensing Office in London.

A Ministry of Health.

It is Interesting to observe that there is at present with us a disposition to talk about our Insurance Acts being cast into the melting-pot. At a meeting of the Faculty of Insurance in London on March 31, Mr. Kingsley Wood, who is a leading London worker in National Insurance, spoke about the Maternity Benefit, mentioning that 6,000,000*l.* has already been paid in benefits to mothers, and he suggested that the Maternity Benefit will have to be increased to 5*l.* This seems to have been going the rounds, for we have it in several Press cuttings covering provincial medical officers' reports. There are other ideas in the air for amending and extending our Insurance Acts, and Lord Rhondda gets the credit of starting the Ministry of Health idea, which "The Times" medical correspondent has worked up so assiduously for some time. Our medical contemporaries are taking it up with vigour, and the "British Medical Journal" tells that the idea arose when a deputation from the Association was received by the President of the Local Government Board. The subject of the conference was primarily concerned with maternity and child welfare, but the discussion went further, says the "B.M.J.," for Lord Rhondda more than hinted his desire to establish one single central Health Department in order to prevent overlapping, and the spokesman of the Association agreed with this view, but insisted that in any unified central Health Department or Ministry of Health the clinical side of the work of the profession should be represented both centrally and locally on an equality with the administrative side. It is hinted that Lord Rhondda has in hand a Bill dealing with the matter; it is "an enabling Bill only," and seems to be concerned with amalgamation of the Government Medical Departments. Pharmacists, as the dispensers of medicines, may be concerned with this, for it has been definitely established under the National Insurance Acts that registered dispensing chemists are the persons entrusted with this work, and the principle is substantially recognised by the Local Government Board, so that our readers should watch any developments.

Flexible Gelatin Capsules.

One of the difficulties that restricted supplies of medicinal glycerin are bringing to the surface is the production of flexible gelatin capsules. Our readers are aware that the gelatin envelope is made of gelatin, glycerin, water, and acacia mucilage or sugar. "Pharmaceutical Formulas" gives the following recipes:

	A	B	C	D
Gelatin	30	28	16	23
Syrup	—	8	4	—
Glycerine	15	20	7	45
Acacia mucilage	7½	—	4	—
Water	50	44	30	32

Steep the gelatin in the water until soft, then add the other ingredients, and dissolve by the heat of a water-bath.

A is the "Art of Dispensing" formula, B that of the B.P.C., C Mr. J. A. Forret's, and D the Dutch Pharmacopœia (all by weight in this case).

The amount of glycerin varies, but 10 per cent. may be taken as the minimum. Makers have had great difficulty in getting it, most of them having been refused permits from the Ministry of Munitions, and in consequence of this Mr. T. Desnos (Jules Denoual & Co.) has addressed the following letter to Sir George Cave, his member of Parliament:

Sir,—We are one of the largest and oldest established manufacturers in this country of medicinal capsules which are manufactured from an envelope or capsule containing gelatin and glycerin, the latter ingredient being used in the gelatinous composition in order to make it flexible and more easily soluble when swallowed. The capsules are a means of administering medicines which are objectionable to the taste, such as castor oil, extract of male fern, sandalwood oil, balsam of copaiba, and various combinations of these and other nauseous and objectionable ingredients which are approved as remedies for venereal diseases. It is essential in respect to capsules containing such ingredients that the envelope should be pliable so as to facilitate swallowing, and when swallowed the capsule should be dissolved by the stomach-contents in order that the medicinal activity of the contents shall be exerted on passing through the stomach. The glycerin which is contained in the capsule-mass is the body that ensures the solubility of the capsule in the stomach. Experiments have proved the value of glycerin for this purpose, and also that there is nothing which can replace it, and the object of this letter is to call your attention to the fact that through interpretation of a Ministerial Order glycerin for this purpose is no longer obtainable. We have applied to the Ministry of Munitions for consideration of the matter, and we enclose copy of our application and of the reply we have received. We may also state that our supplies of glycerin have been stopped, although we have large orders in hand for capsules of sandalwood oil, and we understand that other manufacturers of capsules are in a similar position. The result is that if capsules are made without the glycerin they will be hard, and their efficacy will, therefore, be greatly reduced; the same applies to any other medicinal capsules. We, therefore, consider it to be a matter of national importance that a certain amount of chemically pure glycerin should be allocated to various capsule-makers in the country so that they may continue to manufacture flexible capsules in all cases where this is the prevailing form of

administration. We recognise that in some cases—for example, the administration of Blaud's pill-mass—the medicine may be given in the form of pills instead of capsules, and a selection might be made of other medicines for which the capsule form is not absolutely essential. We suggest that the advice of those engaged in the business might be taken in some form by the Department responsible, and we shall be glad to assist all that we can in the matter. We trust that you will give this matter your attention.—We are, Sir, your obedient servants,

T. Desnos.

This matter is of interest to the trade generally, for it reveals a fact that must be faced—viz., that if the Ministry does not meet the situation by releasing some glycerin, only hard gelatin capsules will be obtainable, or makers in the United States will supply the soft capsules, which means that our own home industry will be seriously injured, if not destroyed. We consider the matter to be one in which the Director of Propellant Supplies should take the advice of one or two experienced men, so that he may ascertain what medicinal capsules should be flexible and what proportion of glycerin may be necessary. The Department has always been firm, yet reasonable, and we think that this is a case where the effects of absolute refusal have not been as fully considered as they deserve to be.

More German Impudence.

In reply to some comments by Mr. E. J. Parry in "Perfumery and Essential Oil Record," November 1916, A. Binz remarks in the "Deutsche Parfümerie-Zeitung," March 15, 1917, that the British dislike of "Schimmel's test" can easily be explained, as it puts an end to the adulteration of citronella oil by British dealers in Ceylon, and he adds: "Wenn Herr Parry sagt, dass ihn bei Schimmels Test der feindliche Name stört, so ist er sich offenbar nicht bewusst, welche Blösse er sich damit gibt; denn es ist ein Zeichen von Schwäche und kleinlicher nationaler Eitelkeit, wenn man politische Feindschaft in die Wissenschaft hineinträgt," which in English is:

"If Mr. Parry says that in Schimmel's test the enemy name disturbs him, he is apparently not aware how he is committing himself, because it is a sign of weakness and narrow-minded national vanity if political enmity is carried into the sphere of science."

We may explain that Schimmel's test was attacked by Mr. Parry and others long before the war began.

Things that Germany Needs Badly.

By a Decree of March 15 the German Government authorities are controlling all stocks of drugs and chemicals which exceed certain quantities, the drugs being as stated in the following list:

Agar-agar, 80 kilos.; strips, 30 kilos.
Cape aloes, 10 kilos.
Curaçao aloes, 10 kilos.
Extract of aloes, 5 kilos.
Copaiba balsam, 50 kilos.
Peru balsam, 10 kilos.
Siam benzoin, 10 kilos.
Sumatra benzoin, 30 kilos.
Palembang benzoin, 30 kilos.
Cantharides, 5 kilos.
Catechu, 50 kilos.
White beeswax, 25 kilos.
Yellow beeswax, 25 kilos.
Spermaceti, 10 kilos.
Cinchona-bark, D.A.B. V., 50 kilos.
— other bark, 500 kilos.
Quillaia, 100 kilos.
Simaruba, 10 kilos.
Saffron, 10 kilos.
Chamomiles, 100 kilos.
Wormseed 10 kilos.
Verbascum-flowers, 50 kilos.
Belladonna-leaves, 50 kilos.
Jaborandi-leaves, 50 kilos.
Peppermint, 100 kilos.
Senna-leaves, 50 kilos.
Uva-ursi leaves, 50 kilos.
Senna-pods, 50 kilos.
Aniseed, 150 kilos.
Oranges, immature, 50 kilos.
Capsicum, 100 kilos.
Caraway-seed, 500 kilos.
Colocynth, 10 kilos.
Fennel-seed, 100 kilos.
Juniper, 100 kilos.
Myrtillus-fruits, 100 kilos.
Galls, 500 kilos.
Lycopodium, 50 kilos.
Fennel oil, 10 kilos.
Peppermint oil, 10 kilos.
Opium, 5 kilos.
Powdered ditto, 10 kilos.
Tincture of opium, 10 kilos.
Laudanum (alco), 10 kilos.
Extract of opium, 1 kilo.
Calumba, 50 kilos.
Gentian-root, 100 kilos.
Ipecacuanha, Cartagena, 10 kilos.; Rio, 10 kilos.
Spanish liquorice-root, 100 kilos.
Russian liquorice-root, 100 kilos.
Senega, 30 kilos.
Valerian, 100 kilos.
Hydrastis, 10 kilos.
Liquid extract of hydrastis, 10 kilos.
Rhubarb, 100 kilos.
Ginger, 100 kilos.
Cydonia-seed, 50 kilos.
Fenugreek-seed, 100 kilos.
Sabadilla, 50 kilos.
Mustard-seed 50 kilos.
Nux vomica, 100 kilos.
Storax, 50 kilos.
Liquorice-juice, 50 kilos.; powdered ditto, 50 kilos.

The chemical list is much longer, and it requires that holders of salvarsan, neo-salvarsan, quinine salts, bromides, cocaine, codeine, acetylsalicylic acid, morphine, Peru balsam, and pyramidon in quantities above those specified—*e.g.*, twenty tubes of salvarsan or 1 kilo. of cocaine—must keep an exact book-record of the alteration of stocks, and the Government require a return to be made of the stocks. This hits at the wholesale drug-trade in Germany, which has become a more numerous body during the war, and speculation has become perfectly scandalous.

China and Indian Opium.

The ten years' limit for the extinction of the Indian exports of opium into China expired at the end of March this year. It will be remembered that the Chinese Government issued an edict in 1906 forbidding the consumption of opium and the cultivation of the poppy in China, and in the following year, after lengthy negotiations, they concluded an agreement with the British Government, which was confirmed in 1911, whereby a ten years' limit was fixed for the cessation of the traffic. Under this Treaty Britain undertook that the export of opium from India to China would be decreased annually by 5,100 chests until its extinction, provided that the Chinese Government carried out its arrangement for the reduction of the consumption of opium in China. It will be seen that the British Government has faithfully carried out the contract, but there is a doubt, in spite of heavy penalties, as to whether opium-cultivation has been totally suppressed throughout the Chinese Empire, because of the many difficulties in the way of carrying the edict into effect. The movement for the suppression of opium in China has, however, proved genuine, and public opinion has strongly supported it. But, at the same time, one is led to the conclusion that the morphine-habit has to a certain extent taken its place.

Practical Notes and Formulas.

Modified Dobell's Solution.

Sodium borate	15 grams
Sodium bicarbonate...	15 grams
Sodium benzoate	0.50 gram
Sodium salicylate	0.50 gram
Eucalyptol	0.30 mil
Thymol	0.30 gram
Menthol	0.15 gram
Methyl salicylate	0.20 mil
Glycerin	125 mils
Alcohol	30 mils
Distilled water to	4,000 mils

This is the formula used in the German Hospital, Philadelphia, which we select from the Pharmaceutical Formulas of the American Pharmaceutical Association. Compare with liq. boracic. co. in "P.F.," p. 671, of which the above is a variant. The late Dr. Horace Dobell informed us two years ago that he had never heard of this solution until we mentioned it to him, but we think he must have forgotten it, as he also had no knowledge of his aperient, the formula for which he communicated to The Chemist and Druggist.

A Digestant Solution

Mr. W. A. Kenantz gave the following formula for a new digestant in a communication to the American Pharmaceutical Association:

Pepsin	40 grams
Diastase	40 grams
Diluted hydrochloric acid	50 mils
Sodium phosphate	8.25 grams
Purified oleic acid	30 mils
Alcohol	50 mils
Strychnine	0.175 gram
Oil of bitter almond	3.750 mils
Tincture of cudbear	60 mils
Kaolin	15 grams
Syrup sufficient to make ...	1,000 mils

Dissolve the sodium phosphate in the diluted hydrochloric acid, and mix the solution with 725 mils of syrup. In this dissolve the pepsin and diastase, triturate with the kaolin, and filter. Then dissolve the strychnine sulphate in about 25 mils of syrup, and the purified oleic acid and oil of bitter almond in the alcohol. Add these solutions to the filtrate from the first solution. Finally add the tincture of cudbear, filter, and add syrup sufficient to make 1,000 mils.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," March 28, 1917.)

Egyptian label device, including the Sphinx and Pyramids and words "Levinstein Limited Manchester England"; for dyes and dyestuffs (1 and 4). By Levinstein, Ltd., Manchester. 376,060/1.

"Arborsan"; for chemicals (2). By Liverpool Borax Co., Ltd., Liverpool. 376,520.

"Lucanis"; for a distemper-cure for dogs (2). By J. M. Lucas, c/o Cox & Co., 16 Charing Cross, S.W. 376,553.

"Limsul" and "Soqua"; for all goods (2). By E. A. White, Ltd., Beltring Farm, Paddock Wood, Kent. 376,835/6.

"Anglodol"; for medicines (3). By Mackay & Son, 32 Forster Square, Bradford. 376,866.

"Teleprox"; for spectacle-lenses (8). By Anglo-American Optical Co. (England), Ltd., 3A to 14A South Hill Park, Hampstead Heath, N.W. 376,827.

"Egno"; for edible oil (42). By the British Oil and Cake Mills, Ltd., 29 Great St. Helen's, E.C. 375,952.

"Consyp"; for food-substances (42). By the Manbré Saccharine Co., Ltd., Brandenburgh Road, Hammersmith, W. 376,559.

"Sucrosol"; for all goods (42). By Graham, Son & Hay, 36 Dale Street, Liverpool. 376,625.

"Belfry" and "Boatswain," for goods (47); "Protean," for perfumery, etc. (48). By R. Dixon & Co., Ltd., Canal Street, Rochdale. 375,546, 376,604, 376,873.

"Monol"; for goods (47). By A. K. Hillson & Co., 62 Buchanan Street, Glasgow. 376,078.

Trade Notes.

Rose Simile, produced by Stafford Allen & Sons, Ltd., is an odour true to nature.

Evans Sons Lescher & Webb, Ltd., have issued a new revised list of compressed tablets.

A Tooth-brush Bargain is offered by Mr. Thomas Swales, Leeds, who has seventy gross of brushes to sell at special prices.

Roboleine Prices were advanced as from April 1 to 1*s.* 1½*d.*, 3*s.*, and 5*s.* 4*d.*, P.A.T.A. terms. Oppenheimer, Son & Co., Ltd., ask retailers to note this.

5,000*l.* worth of cases and other shopfittings means a good variety to pick from, and Philip Josephs & Sons, Ltd., 68-93 Old Street, London, E.C. 1, have it.

Cryogenine is metabenzamido semi-carbazide, and it has a similar action to antipyrin, phenacetin, and pyramidon, which it replaces. The Anglo-French Drug Co., Ltd., Gamage Building, Holborn, London, E.C., supply it.

Sacch. Ust. is one of the most useful products, but is difficult to get in these days of limited sugar. E. J. Hay & Co., Caramel Works, Essex Wharf, Limehouse, E. 14, and 104 Sackville Street, Manchester, make it and offer samples and quotations.

"Sanger's Monthly List" gives the changes in prices which have occurred during the past month in patents, proprietary articles, and druggists' sundries. Other features are the "Nonspil" medicine-spoon, and revised prices for collapsible tubes and twine.

"Always ask for Howards' bicarbonate of soda, which is prepared for medicinal and domestic use by a special process which renders it tasteless. Sold by stores and all chemists." This is the principal wording of a half-page advertisement in "Punch," April 4, 1917. It is, we think, a new departure that deserves notification in the *C. & D.*, as our readers are vendors of "Howards' soda."

Pharmaceutical Apparatus and Plant.—Bennett, Sons & Shears, Ltd., 43 and 44 Shoe Lane, London, E.C., have issued a handsomely illustrated catalogue of special apparatus and plant for pharmaceutical and chemical laboratories and works. A large variety of machinery and apparatus is illustrated and described in the sixty pages, the whole forming a very interesting exposition of the character and construction of pharmaceutical apparatus. The series begins with vacuum stills, the first example being an equipment fitted in the Hounslow laboratories of Parke, Davis & Co. Vacuum drying-chambers are also illustrated, this being one of the most recent innovations in pharmaceutical equipment. A great variety of stills are then figured, these including drug-stills and a number of essential-oil stills: then come evaporating-pans, mixers, emulsifiers, percolators, grinders, filters, tablet-machines, autoclaves, and other plant, all showing that Bennett, Sons & Shears can furnish the equipment the pharmaceutical manufacturers need. The list is a necessary adjunct to text-books on pharmacy.

Associations' Winter Session.

Blackpool and Fylde.—Mr. J. Laurie presided at a meeting of the local Association on March 30, when a summary of the amounts paid for Insurance dispensing in 1916 was submitted, and various other trade matters were considered.

Cardiff.—A meeting of the Cardiff Pharmacists' Association was held on March 27, the President (Mr. Furnival) in the chair. The Newport Association asked that a delegate be appointed to attend the Committee-meeting of the Federation of Local Associations of South Wales and Monmouth, and Mr. Joseph was elected unanimously. The Brighton and Hove Pharmacists' Association wrote recommending the issue of a National Formulary as an appendix to the British Pharmacopœia, which should supersede all local Pharmacopœias. Messrs. Poole and J. Lee Jones were appointed auditors. A resolution was proposed by Mr. Johnson, suggesting that a letter on the Venereal Diseases Bill be sent to members of Parliament, setting forth the chemists' side of the question. Mr. Joseph said this should be left in the hands of the Pharmaceutical Society, but Mr. Hagon said he did not see why chemists should lose sight of the financial side. He would be willing to give up all prescribing provided doctors gave up all dispensing. It was finally decided that Mr. Johnson's resolution be sent to the Local Associations Executive Committee with a covering letter. Mr. Leo. Joseph was congratulated on his appointment as Chairman of the Surgery and Dispensing Committee of King Edward VII. Hospital.

Harrogate.—The meeting of the Harrogate Pharmaceutical Association on March 26 took the form of a round-table conference on *Problems and Profits*, the subject being introduced by "Jay Mack" in a paper written for the occasion and read by the Secretary. The result was that the following resolutions were passed and sent to the Pharmaceutical Society:

1. That the examinations be remodelled at once on more practical and useful lines. Let them be more suitable for our everyday work, and let them be taken in three, four, or six grades if necessary. But the standard of the Qualifying examination must be maintained.
2. That scholarships be arranged by the County Associations and the Pharmaceutical Society, and if possible postal tuition to attract recruits for the trade and to keep them in touch with the Society when they have enlisted.
3. That the "widows clause" be abolished; instead, that executors be permitted to carry on the business for twelve months if necessary.
4. That while higher qualification, and even a university degree of doctor of pharmacy, is necessary in certain cases, it is undesirable and unnecessary to force that standard upon all.
5. That any Preliminary examination be in line with the ordinary school subjects, and must be suitable to the class desirous of becoming pharmacists.
6. That in all future negotiations with the Insurance Commissioners none but chemists in business should be on the Committee. To secure that end the Pharmaceutical Council, at the earliest possible moment, should be elected on a basis of Territorial Representation.

A vote of thanks was passed to "Jay Mack" for his interesting and practical paper. A discussion on the Venereal Diseases Bill was introduced by the Secretary, and it was decided to send letters to the local members of Parliament and others on the lines of the draft-letter in the *C. & D.*, March 31, p. 51.

London N.—The fifth annual social of the North London Pharmacists' Association was held at Anderton's Hotel, Fleet Street, E.C., on March 29, in aid of the Great Northern Hospital, of which institution the Hon. Secretary of the Association (Mr. Herbert Skinner) has been pharmaceutist for twenty-one years. The President (Mr. C. W. Matthews) and Mrs. Matthews received the members and friends, and then followed an hour of music. Next those present adjourned to another room for light refreshments, after which a whist-drive was held, the prizes including a potato and a lump of sugar. The prize-winners were:—*Ladies*: (1) Mrs. Wade, (2) Mrs. Atkinson, and (3) Mrs. Lewis. *Gentlemen*: (1) Mr. Anderson, (2) Mr. Cleeve, and (3) Mr. Hamilton. The potato went to Mrs. Bradbury, and the lump of sugar to Mrs. Matthews. The President said that the Committee had set out with the intention of being able to contribute 25*l.* to the Great Northern Central Hospital, but double that sum had been realised for that deserving institution. In answer to the cry of "Speech," Mr. Skinner said he regarded the result as the greatest compliment ever paid to him. It served to cement his close personal relationship with the pharmacists, not only of North London, but with the others who had so generously helped. At the close of the very successful evening a vote of thanks was accorded to the artistes, all of whom are connected with the drug-trade.

London (S.E.).—A meeting of the South-East London Pharmacists' Association was held at Maitland House, Greenwich, on March 28, Mr. A. J. Wing (President) in the chair. A vote of condolence was passed with the widow and family of the late Mr. A. F. Fosse (*C. & D.*, March 31, p. 40). A donation of one guinea was forwarded to the Early Closing Association as a mark of appreciation of the work done on behalf of retailers. Mr. J. Kirkpatrick then opened a discussion on *The Pharmaceutical Council*. Dealing with the method of election, he said this is old-fashioned, but before any drastic alteration in the method can be introduced there must be federation of local Associations and then election on a territorial basis. Each member should be responsible to the electorate for the manner in which the Council business is conducted, and if he did not act up to his pledge there should be means of quickly replacing him. He thought the Council had shown itself lacking in initiative, and not possessed of a definite policy worthy of the name. The Council has been an absolute failure in Parliamentary negotiations because the organisation of the craft is defective. The release of a multitude of Army dispensers after the war is a serious problem of the future. The Council, concluded Mr. Kirkpatrick, is retrograde, and needs the introduction of sufficient new blood if it is to carry out a progressive programme. In the discussion which followed, Mr. Corrall said he was not in favour of territorial representation. He suggested that candidates should be nominated a year before the election, so that their views and policy could be ascertained. He considered that half the Council should retire annually. Mr. Tugwell asked if it would not be possible to elect the whole of the Council annually. Mr. Siddle said they should only elect to the Council men engaged in purely retail business. Mr. Ralph, Mr. Lloyd, Mr. Callam, Mr. Foster, and others also took part in the discussion. Mr. Kirkpatrick, in replying, expressed himself in favour of greater publicity in the work of the Council. The support of the Association was promised to Mr. Kirkpatrick at the forthcoming election.

Royal Institution.—The Friday evening discourse on March 30 was by Professor J. H. Jeans, F.R.S., the subject being "Recent Developments of Molecular Physics." In this he dealt with the new theory of the relativity of light, which starts from the supposition that it will always be impossible to get confirmation of the effect of the earth's passage through the ether. Every experiment devised so far had failed to detect any effect of the ether, or even to confirm the existence of the ether. The relativity theory does not, like the undulatory theory of light, require the assumption of the existence of ether. The lecturer then developed the idea that the laws of nature are discontinuous, motions proceeding by jerks or jumps from one stage to another. Light is therefore assumed to exist in quantums or bunches of energy which move forward in jumps. "The undulatory theory is a delusion," said the lecturer. A good deal of evidence has accumulated as to the quantum theory, but he confessed that as there is good evidence for the undulatory theory it is difficult at present to reconcile the two theories.

South Wales Federation.—A meeting of the delegates representing various Associations in South Wales and Monmouth was held at the Angel Hotel, Cardiff, on March 29. Mr. Joseph was elected Chairman. Various resolutions were drawn up and forwarded for the consideration of the constituent Associations.

West Bromwich.—A meeting of the West Bromwich Pharmaceutical Association was held on March 27, the President (Mr. Beattie) in the chair. Mr. Kemsey Bourne read a paper on *The Administration of Male Fern*. Mr. Kemsey Bourne said the object of his paper was to ascertain why male fern sometimes fails to produce the desired result. Doctors often prescribe it for patients without giving sufficient instructions as to the correct method of administration. It seems useless, for instance, to instruct a patient to take a male-fern draught on an empty stomach unless it is certain that the stomach-contents have been removed. A draught of a saline aperient is the method usually adopted, and it should be taken in a good quantity of water—warm water in cold weather. Epsom salt or else sulphate of soda is the best aperient to give, although occasionally a hydragogue cathartic, such as jalap, is recommended. The saline aperient should not be given effervescing, as in this form it causes great pain. Parke, Davis & Co. recommend the following draught: Epsom salt ʒj., sol. saccharin. ʒj., ol. menth. pip. guttæ ij., ol. anisi guttæ ij., aq. ad ℥ij. Phosphate of soda is useful when either Epsom salt or Glauber salt is refused by the patient. The essential factor is a good bulk of water: 8 or 10 oz. should be taken with the aperient at bedtime, after a light tea and no supper. Two or three hours after the draught has acted the male fern is given. The bulk of the draught should preferably be small, as male fern has a very disagreeable flavour, which persists for hours after taking it. A carminative prevents the sickness which the drug causes in some cases. The oil could be emulsified, but Mr. Bourne prefers to administer it in milk, flavoured with peppermint or orange and peppermint combined. Forty minims of ext. filicis liq. goes well with an ounce of milk flavoured with two drops of oil of peppermint. Ext. filicis liq., which is now standardised to contain 20 per cent. of filicin, if kept in a stoppered bottle and stored in a dark, cool cupboard, remains active for years. It should be shaken before it is dispensed. He preferred to weigh it into the bottle instead of measuring it. After the administration of male fern a purgative is required to expel the worm. Castor oil is usually given. Martindale states that Yeo recommends capsules of 7½ m. with calomel 1 gr., sixteen for a dose, two every ten minutes. After the worm has been expelled the patient requires a tonic, and a dose of effervescing saline in the morning. Mr. Withers next read a paper containing his *Reminiscences*, which gave an interesting picture of his apprenticeship, which began in 1869. He was afterwards an assistant at Clifton. Votes of thanks were accorded to the authors of the papers.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Middlesex.—The monthly meeting of the members of the Middlesex Insurance Committee was held on April 2 at the Guildhall, Westminster, Mr. W. S. Glyn-Jones, M.P., presiding. On the recommendation of the Finance and General Purposes Committee, the following payments were directed to be paid to chemists for 1917, 3,826*l.* 16*s.* 11*d.*; emergency settlement (1914), 140*l.*

Portsmouth.—At the meeting of the Insurance Committee on March 29, the Finance Sub-Committee reported that the Pricing Bureau has completed pricing the January prescriptions. The number of scripts was 11,231, prices at 291*l.* 8*s.* 4*d.*, and the cost per script 6.22*d.* The balance of the payments is to be made to the chemists. It was reported by the same Committee that a return has been received from the Pricing Bureau submitting the reassessment of drug prices for the purpose of Article 5 of the Medical Benefit Regulations, 1916. The return was for the period of January, February, and March 1916, when the total number of prescriptions chargeable to the Drug Fund, except those marked as relating to Sanatorium Benefit, was 39,455, and the ratio which the new Tariff prices bear to Article 5 Tariff prices was 85.62 per cent. This reassessment was necessary because the doctors declined to agree to the new Tariff prices being a first charge upon the Medical Benefit Fund, therefore the 1915 Tariff was the basis of value. Mr. Hollis (Chairman of the Finance Committee) said the chemists can now be paid in full for the prescriptions. They will not receive quite so much as under the old arrangement, but they are paid for what they supply, and they have no trouble in making out the accounts. The Chairman (Sir Scott Foster): And both doctors and chemists are satisfied. A letter was received from the Commissioners enclosing advice note for 88*l.* 3*s.* 9*d.* in respect of the emergency settlement with the chemists for the medical year 1914.

Shipley.—The dispensing difficulty at Baildon, Yorkshire, is again raised by the action of Dr. Firth, who, after resigning from the panel rather than dispense since the retirement from the panel of the township's one chemist, had agreed, along with the other doctor, to return for the benefit of the 1,600 insured persons, and has now again declined to be on the panel because, he said, the conditions under which he joined are not being carried out (see *C. & D.*, March 10, p. 87).

SCOTLAND.

Kirkcaldy.—At the meeting of the Insurance Committee on March 30 the Medical Benefit Sub-Committee reported that a Special Sub-Committee has been appointed to investigate the higher frequency of prescribing in the area. The Commissioners also wrote inquiring whether the Panel Committee had yet reported on the question of the drug expenditure. The Clerk said the report has not yet been received, and it was agreed to write to the Panel Committee insisting upon having the report by the next meeting.

Pharmaceutical Society of Great Britain.

Council-meeting.

The monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on April 4. Mr. Edmund White (President) was in the chair, the absentees among the councillors, through illness, being Mr. J. Harrison and Mr. L. M. Parry.

The President referred to the deaths of Mr. R. F. Young, Mr. F. B. Bennett, and Mr. A. Middleton, all of whom have done particular service to pharmacy. Messrs. Cuff, Sargeant, and Skinner paid a tribute to the worth of these men.

Thirty-six members were elected and eighteen restored to their former position in the Society. Seven names were restored to the Register of Chemists and Druggists. Thirty-six apprentices have been registered during the month.

Communications regarding the Venereal Diseases Bill were received from the Manchester, Monmouth, Newport, Sheffield, Merthyr Tydfil, and Wimbledon Associations. These are dealt with in the General Purposes report.

The London County Association forwarded resolutions regarding sugar and glycerin, suggesting that the use of these in certain pharmaceutical preparations could be discontinued.

The continuance of the Defence of the Realm Act Regulation closing shops at 8 P.M. was urged by the Manchester and Salford Associations.

The Board of Education (British Prisoners of War Educational Scheme) forwarded particulars of the scheme for providing facilities for prisoners of war to pass examinations. The President said the Society agreed to assist in this matter provided proper teachers are employed.

The Belgian Doctors' and Pharmacists' Relief Fund forwarded a statement of the two years' working of the Fund. Altogether 20,000*l.* has been raised, and the administration expenses were only 62*l.*

The Government Visitor's Report on the examinations in London was received.

A copy of the Ontario Pharmacy Bill was received, and is to be considered by the Law Committee.

The Harrogate resolutions given elsewhere were received and remitted to the Organisation Sub-Committee.

The Secretary read the report of the Finance Committee, which stated that during the past month 2,356*l.* 3*s.* 10*d.* has been received on behalf of the General Fund, and it was recommended that payments amounting to 1,246*l.* 10*s.* 4*d.* be made. The sum of 3,000*l.* is to be placed on deposit at the bank. The report was adopted.

The Secretary read the report of the Benevolent Fund Committee, which recommended the grant of 98*l.* to seven applicants for assistance. Mr. Bilson, in moving the adoption of the report, mentioned special donations that had been received during the month. A legacy of 50*l.* has been received from the executors of the late S. R. Wild.

Ransom Research Fellowship.

The report of the Library, Museum, School, and House Committee contained the regulations for conducting the Ransom Research Fellowship as follows:

A Fellowship of the value of one hundred pounds per annum, founded in 1917 by Francis Ransom, of Hitchin, is offered for competition by the Council of the Society, the object of the endowment being the promotion of research in and investigation of crude drugs.

1. Candidates, who may be of either sex, must, at the time of application, be registered as pharmaceutical chemists and be members of the Pharmaceutical Society.

2. Candidates must give an undertaking that in the event of being selected to hold a Fellowship they will not, during the tenure of such Fellowship, engage in any unauthorised commercial work, and a breach of this undertaking shall be deemed to empower the Council of the Society forthwith to determine the holding of the Fellowship.

3. The selected candidate shall, for twelve months from the date of his or her appointment by the Council, work under the direction of the Council and the Director of Pharmaceutical Research in the Research Laboratory of the Society or in the Museums of the Society as the nature of the investigation to be made may require. In the selection of a candidate the Council will give preference, other things being equal, to the applicant whose limited means would render the financial assistance of the Fellowship of most importance.

4. The Ransom Research Fellow shall be furnished by the Council, free of charge, with such drugs, chemicals or apparatus as may, in the opinion of the Director, be requisite.

5. The Ransom Research Fellow may, on the expiration of his or her Fellowship, apply to the Council for a renewal of the same, and the Council may, if it think fit, appoint the applicant for a second or third year as Ransom Research Fellow, but no person shall hold the Fellowship for more than three years in succession.

6. The tenure of the Fellowship may be determined at any time by the Council if the conduct of the holder shall be found unsatisfactory, or for other sufficient reasons militating against the purpose for which the endowment was established.

7. All applications for the Fellowship shall be made to the Secretary of the Society on or before June 25 in each year, and the Council shall refer such applications to the School Committee for consideration and report. The Council shall, on that report, with or without submitting the candidates to an examination, determine whether any and which one fulfils the conditions justifying the award of the Fellowship. In the event of there being no candidate for the Fellowship or the applicants not being able to fulfil the required conditions the Council may postpone the election of a Fellow for any period not exceeding thirteen months.

School Prizes.

The following awards to students of the advanced course of the School of Pharmacy were also recommended in this report:

Botany.—Silver Medal, Charles Wm. Thorpe; Certificates of Honour, Doris Gregory and Ruby Blanche Abbott.

Chemistry.—Silver Medal, Charles Wm. Thorpe; Certificates of Honour, Doris Gregory and Sydney Herbert Atkins.

Practical Chemistry.—Silver Medal, Charles Wm. Thorpe; Certificates of Honour, Doris Gregory and Ruby Blanche Abbott.

Materia Medica.—Silver Medal, Charles Wm. Thorpe; Certificates of Honour, Doris Gregory and Isabella Campbell.

The appointment of a botany lecturer was left to the President. It was also announced that the lectures on microbiology by Dr. Burnet are to commence in May, and that full particulars will be given next month. The practical part of the subject will not be taken until October. The report was adopted.

The report of the Local Associations Executive Committee was contained in that of the

General Purposes Committee.

The chief points are that the Conference which is associated with the Local Associations Executive is not to take place in May. The local Associations are to be warned of the danger of taking action in regard to the Venereal Diseases Bill without first consulting headquarters. Those Pharmaceutical Committees who have not adopted the Central Checking Bureau scheme are to be asked for their reasons.

The other matters dealt with in the report of the General Purposes Committee were the attendance of the Secretary as a witness before the Sugar Inquiry, the position of essential drugs after the war, a report of which is ready to be submitted to the Committee on Commercial and Industrial Policy after the War, the progress made in the Criminal Law Amendment Bill and the Venereal Diseases Bill, and the decision, following a deputation from the Manchester Pharmaceutical Association, that the time is ripe for bringing forward next month a curriculum scheme.

The Glycerin Supply.

The inconclusive references in the report about some resolutions by Mr. Skinner, one of which concerned the supply of glycerin, led to a short discussion on this question. Mr. Skinner emphasised the difficulties which London chemists experience in the dispensing of prescriptions containing glycerin, and Mr. Young said this difficulty is not confined to London. Mr. Cuff said that chemists can obtain permits to purchase glycerin on application to the Propellants Supply Department of the Ministry of Munitions. Mr. Goode said several doctors are now ordering formulæ *sine* glycerin. Mr. Deakin added that in his district the doctors have not made the slightest difference in their prescribing. Mr. Campkin urged the need for uniformity in the sale of glycerin. In loyalty to the country chemists should refuse absolutely to supply glycerin. In reply to Mr. Bilson, the Secretary stated that every application for a permit to purchase glycerin is considered on its merits. Mr. Guthrie said it is an impossible position for the chemist to refuse to supply glycerin when his neighbour does so, and to decide whether a prescription for glycerin is bogus or otherwise.

The Curriculum Scheme.

The President, referring to the Manchester deputation, said the result of the interview has been to clear away a great number of difficulties which were shown to exist a few years ago, when the project was first brought forward. A memorandum on the subject is to be prepared and put before the Councillors for their consideration. The President said it will be an advantage to have a scheme ready at the conclusion of the war, when the country will be ripe for educational reforms.

The Scheduling of Diachylon.

A resolution was passed dealing with the scheduling of diachylon. The terms of the resolution are as follows:

That lead in combination with oleic acid or other higher fatty acid, whether sold as diachylon or under any other designation (except machine-spread plasters), ought to be deemed a poison within the meaning of the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908, and ought to be deemed a poison in Part I. of the Schedule of Poisons to that Act.

That there had been some difficulty in finding a form of words was gathered from the subsequent remarks of Mr. Harrington and the President. This resolution is to be sent to the Privy Council.

The Council Election.

The following, who have been nominated for the seven vacancies which will occur in May, have signified their willingness to serve if elected: Messrs. F. E. Bilson, J. H. Cuff, W. H. Fowler, J. F. Harrington, F. G. Hines, A. H. Jenkin, J. Kirkpatrick, P. F. Rowsell, and J. R. Young.

Question Time.

At Mr. Sargeant's suggestion the President agreed that at future meetings of the Council opportunity would be given for Councillors to ask questions, which the President would endeavour to answer. Mr. Sargeant, in his speech advocating this course, mentioned as an example a reference in a recent speech by the President to attacks on the Society's officials. He (Mr. Sargeant) had been asked to what this referred, and had been unable to say. The President said it concerned "cruel" attacks on the Secretary and himself in the "Script," and he invited Mr. Skinner, as editor of the "Script," to justify himself. Mr. Skinner said the matter is being dealt with by the London Association. A good many speeches followed, in the course of which the President quoted some of the references to himself in the "Script." Mr. Guthrie remarked that these were small things beside what was said a few years ago by and against a certain prominent politician.

The auditors' annual report on the finances of the Society was received, but is not to be made public yet.

Examinations in London and in Edinburgh.

We have received from the Registrar the following lists of persons who were granted Major Certificates at the recent examinations held in London, and Minor Examination Certificates at London and Edinburgh:

Major Examination.

Abbott, Ruby Blanche, Bridgend.
Atkins, Sidney H., Stanstead Abbotts.
Gregory, Doris, Hampstead.
Roberts, Ivy, Manchester.
Thorpe, Charles W. Spalding.
Walmsley, J. R., Manchester.

Minor Examination.

London.

Appleyard, F. N., Bradford.
Brook, Mary Boyns, London.
Cofman-Nicoresti, Marie, Brixton.
Collis, Percy R., Crewe.
Draper, Dorothy, Southbourne.
Goldberg, Maurice, Wynberg, S. Africa.
Hand, B. J., Smethwick, W.
Hirst, Hilda, Colne.
Humphreys, Gwendolen, Northwich.
Izon, W. J., Birmingham.
Joyce, Constance M., Loughborough.
Lacy, Hilda Rose, Cork.
Marshall-Woodcock, Joseph, Anerley.
Marti, Eugène, Finchley.
Moulds, George R., Keighley.
Parker, Henry James, Bury.
Pinson, Wm., Wolverhampton.
Rees, Daniel I., Aberavon.
Sidebottom, S. H., Accrington.
Solomon, E. H., Battersea.
Vincent, Douglas F., Reading.

Edinburgh.

Culbert, Hugh S., Glasgow.
Davidson, James, Peterhead.
Fowler, Margaret, Conon-Bridge, N.B.
Greenlie, William, Glasgow.
Laidlaw, Lilian Lorraine, Lockerbie.
Mitchell, Nellie L., Aberdeen.
Murray, Mary Nisbet, Edinburgh.
Nisbet, William H., Leith.
Richardson, Jeannie, Larbert.
Russell, John James, Glasgow.
Scott, William, Glasgow.
Smith, Elizabeth Maud Burville, Edinburgh.
Tomory, Caroline Phyllis, Edinburgh.
Turner, Alexander James, Aberdeen.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C. 4, April 4, 5.30 p.m.

Business is becoming increasingly difficult owing to lack of goods, high prices, high freights, import and export restrictions, shortage of staffs, etc., and in view of the Easter holiday recess there is little to report this week, except that a drug-auction was held on Wednesday, when a fair proportion of the offerings was sold. There is, of course, a good deal of speculation as to what effect the entry of the United States into the European War will have on products of all descriptions, and a certain amount of consideration will have to be given to this subject, as its influence is bound to be felt later. On the other hand, the participation of America is bound to shorten the duration of the conflict, and this will naturally restrict the quantities purchased and induce a feeling of cautiousness, especially as regards operations far ahead; there is consequently likely to be a better demand for spot goods in preference to forward delivery. The hand-to-mouth buying which has been prevalent for some months past is therefore likely to continue. In the private market, Persian opium is dearer, and higher prices are asked for jalap and oval buchu-leaves. Strychnine has been advanced 3*d*. Cream of tartar, tartaric acid, hydroquinone, formaldehyde, and potassium bromide are firmer. Gentian, annatto, lemon oil, menthol, and acetyl-salicylic acid tend in buyers' favour.

Higher	Firmer	Easier	Lower
Buchu (ovals)	Aloes (Cape)	Annatto-seed	Acetyl-salicylic acid
Gamboge	Chloral hydrate	Barbitone	Antimony (Ch. cr. c.i.f.)
Jalap	Cream of tartar	Cardamoms	Ergot
Kola (Afr.)	Formaldehyde	Gentian	Honey
Olibanum, tears	Ipecacuanha (Matto Grosse)		Linseed oil
Opium (Persian)	Potash bromide		Shellac
Strychnine	Senna (Tinn. leaf)		Turpentine
Wax, bees'	Tartaric acid		

Acetate of Lime.—The price in U.S. has been advanced 1c. to 4½c. per lb. f.o.b. The entry of the United States into the European War has an important bearing upon all wood products, and naturally the manufacturers at the moment hold aloof, pending any new policy which may be initiated.

Acetyl-Salicylic Acid is unchanged at from 14*s*. 6*d*. to 15*s*. per lb. for British makes of B.P. quality, American offering at slightly less. There is an increasing tendency on the part of British makers to cut prices, and the margin of profit must now be very lean.

Agar-agar.—Holders, in view of the anticipated shortage in the next crop are firm at 2*s*. per lb. spot for No. 1 Kobo strip.

Almonds.—At auction on March 29, 1,800 boxes Valencia (in prize) sold at from 132*s*. 6*d*. to 152*s*. 6*d*. per cwt. for medium to bold, and 35 bags common at from 102*s*. 6*d*. to 120*s*.: three boxes Jordan sold at 11*l*. 11*s*.

Annatto.—Owing to arrivals market is better supplied, and 8*d*. will buy fair bright quality on the spot.

Antimony.—The spot price of Chinese crude is 48*l*. per ton.

Barbitone.—Supplies have been coming forward a little more plentifully, and from 120*s.* to 125*s.* per lb. are now the spot prices.

Bromides.—Owing to a temporary spot shortage of potassium bromide sellers are able to get a slight premium on makers' prices, crystals being worth 5*s.* 6*d.* to 5*s.* 9*d.*, and granular 5*s.* 3*d.*; soda and ammon. are unchanged at 2*s.* 6*d.* and 4*s.* respectively. The chief competition with America is in soda bromide, but one cannot say how long this will continue in view of the participation of the U.S. in the European War.

Calabar-beans.—Small sales have been made in Liverpool at 1*s.* 1½*d.* per lb. ex store.

Camphor.—The exports from Japan during December were 854,686 kin, valued at 1,184,512 yen. During the year ended December 31 the exports and destinations for the past three years have been as follows:

	1914 Yen	1915 Yen	1916 Yen
British India ...	907,211	1,342,504	1,416,041
Great Britain ...	377,596	321,674	639,135
France	264,069	530,222	379,862
Germany	—	—	289,807
United States ...	765,285	1,035,263	2,654,438
Australia	110,218	170,394	92,605
Other countries ...	359,638	479,974	571,781
	3,073,824	3,880,031	5,753,862

The production of camphor in Japan for the year ending March 31, 1917, is estimated at 1,627,422 kin, an increase of 26,607 kin compared with the actual yield in 1915-16, while the estimated production in Formosa amounts to 5,014,743 kin, an increase of 394,561 kin compared with the actual yield in the preceding year. The production of camphor oil in Japan for 1916-17 is estimated at 3,210,494 kin, an increase of 209,073 kin compared with the actual yield in 1915-16; the estimated production in Formosa is 7,827,560 kin, or 946,328 kin in excess of the actual yield in 1915-16 (kin=1.32 lb.).

Chloral Hydrate.—Owing to the extra freight and charges from the U.S. the lowest price for crystals is now 7*s.* 6*d.* per lb. in bond.

Citric Acid is firm at from 3*s.* 4*d.* to 3*s.* 5*d.* per lb. less 5 per cent. on the spot.

Cloves have been quiet, with spot sellers of fair Zanzibar at 8⅞*d.* per lb.

Cocaine will be very scarce for the next three months as the makers have sold out, and have no facilities for increasing their production.

Copper Sulphate.—The position remains complicated and difficult, with 61*l.* per ton, less 5 per cent., quoted for export, and 50*l.* per ton net for the home trade for agricultural purposes only, the makers reserving a certain amount of their output for such sales. Dealers could probably supply at 51*l.* strictly net cash with order, but as actual consumers can probably get sulphate from the works at 50*l.* net cash with order, dealers for the most part are looking on.

Cream of Tartar is firmer at from 202*s.* 6*d.* to 205*s.* per cwt. on the spot.

Epsom Salt remain firm at from 20*l.* per ton and upwards for druggists' quality.

Ergot is difficult to sell, with Russian offering on the spot at from 1*s.* 8½*d.* to 1*s.* 9½*d.* as to quality.

Formaldehyde is rather firmer at 110*s.* per cwt. for 40 per cent volume. Stocks are being absorbed on the spot, and cheap parcels have been taken off the market, with the result that the price has improved.

Hydroquinone.—American makers have sold out their productions for the next few months, and the position in consequence is firmer. We regard 12*s.* as being the fair spot value.

Jalap.—With the higher freights from United States, importers are asking higher rates, including 1*s.* 1*d.* for 9.35, and 1*s.* 5*d.* for 12-per-cent.

Mint Oil.—Steady, with sales of Suzuki for April-May shipment at 3*s.* per lb., c.i.f. terms. In the drug-auction 25 cases of Suzuki had been sold privately, and for 20 cases Tase 3*s.* per lb. was wanted.

Morphine.—Makers do not offer in quantity, only supplying small lots on the basis of 13*s.* 6*d.* per oz. for hydrochloride.

Nux Vomica.—A quantity of Calcutta is on the way, the value of which will be about 27*s.* to 28*s.* per cwt. on the spot. A freight of 13*l.* per ton has been paid on nux vomica from Calcutta, and even a higher rate is now in vogue. In the drug-auction 108 bags of dull brown Madras were limited at 38*s.*

Oils (Fixed).—*Linseed* is lower, closing at 50*s.* per cwt. in pipes landed and 51*s.* landed in barrels. *Cotton-seed* is unchanged at 54*s.* for crude in pipes, and pale refined in pipes on spot is 55*s.* to 56*s.*; for sweet refined in barrels from 62*s.* to 64*s.* is quoted. *Rape* is unchanged, with ordinary brown naked on spot offering at 64*s.* British refined in barrels is 69*s.* to 70*s.* *Coconut* is quiet at 70*s.* for Ceylon in hogsheads on spot and 67*s.* in pipes. Cochin on spot is 69*s.* to 73*s.*, and shipment 67*s.* per cwt. c.i.f. London pressed is 53*s.* 6*d.* to 54*s.*, as to position. Hankow *Wood* oil is easier at 86*s.* spot, and to arrive 84*s.* c.i.f. is quoted. *Soya* is steady in London, with 52*s.* 6*d.* c.i.f. quoted on passage. Lago *Palm* is firm at 49*s.* on spot, and 45*s.* 9*d.* ex quay Liverpool. Japanese *Fish* is firm at 38*s.* 6*d.* c.i.f. for March-April shipment.

Opium is dearer, holders of Persian asking 40*s.* per lb. for 10-per-cent. and Turkey druggists' 11-per-cent. 38*s.* 6*d.* net on the spot. Fair arrivals are taking place from India, and 150 cases are reported from Persia this week.

Orange-peel.—At auction on March 29, 135 mats Malaga quarters sold at from 4*d.* to 4½*d.* per lb.

Peppermint Oil.—American is quiet, at from 10*s.* 9*d.* to 11*s.* per lb. on the spot, and at 10*s.* 3*d.* c. and f. to come forward.

Phenacetin is scarce for spot delivery, and dealers are holding for 75*s.* to 77*s.* 6*d.* per lb.

Phenazone is still very scarce, and consignments are slow in coming forward from Switzerland, which is the only country from which we can expect relief.

Potash Iodide.—The exports from Japan during December amounted to 14,628 kin, valued at 95,884 yen. During the twelve months ended December 31 the exports were as follows:

	1914	1915	1916
Kin	92,153	129,892	166,473
Yen	627,464	990,507	1,189,536

The exports of crude iodine during the past three years have been as follows:

	1914	1915	1916
Kin	13,492	3,725	3,044
Yen	82,610	26,287	17,096

There was also exported during 1916 14,464 kin of refined iodine, valued at 133,786 yen.

Pyrogallic Acid and all tannic products show a rising tendency, owing to the high freights and the scarcity of galls. Pyrogallic crystals are quoted at 16*s.* 6*d.*, and resublimed at 18*s.* per lb.

Quinine is steady but quiet, at 2*s.* 8½*d.* per oz. for the usual Dutch brands of sulphate. The landings in London during March were 40,000 oz., and the deliveries 50,928 oz., leaving a stock of 1,177,248 oz. at the end of March, against 1,450,928 oz. in 1916. The speculative market has quieted down, this being due to the holiday feeling, but the consumptive demand remains very active, and large quantities which have been recently lost have to be replaced. The makers are very hard pressed at the moment to keep up with their deliveries, especially as shipping difficulties are acute.

Salicylates.—Sodium salicylate is still scarce on the spot at 5*s.* 6*d.* per lb., while salicylic acid is plentiful, offering at from 3*s.* 9*d.* to 4*s.* 3*d.* per lb. as to quality. Salicylates have shown signs of a firmer tendency in America, due no doubt to the anticipated improvement which will take place in all phenol derivatives. Whether it will be followed by a corresponding improvement in this market remains to be seen. Meanwhile there is very keen competition between the English makers.

Shellac is firm but quiet, the usual standard quality of TN Orange closing with sellers at 206*s.* to 207*s.* on the spot; fine Orange is 280*s.*, and AC Garnet 215*s.*

Soda Hyposulphite continues scarce, commercial quality offering at from 19*l.* to 20*l.* per ton, while pea crystals could be had at about 25*l.* to 26*l.* in limited quantities.

Strychnine.—Makers' prices show a further advance of 3*d.* per oz. in strychnine and salts; they now quote the B.P. crystals at 3*s.* 9*d.*, sulphate at 3*s.* 6*d.*, and hydrochloride at 3*s.* 7*d.* per oz. net.

Tragacanth.—There is a good export inquiry, principally for American account, and a large business could be done, but permits for some inexplicable reason are being withheld, although there are ample stocks on spot and more to follow. In the drug-auction thirteen packages sold, including heggy fourths at 15*l.*, brown heg 8*l.* 10*s.*, and siftings 6*l.*

Turpentine closes 9*d.* per cwt. lower on the week, with American at 52*s.* 6*d.* on the spot.

Valerian.—A ton of Indian valerian was catalogued for auction, but was not ready. Japanese privately is quoted at from 145*s.* to 150*s.* per cwt. on the spot.

Wax, Vegetable.—Japanese on the spot is held for 75*s.* per cwt., and to arrive, April-May shipment has been sold at 67*s.* c.i.f. terms.

London Drug-auctions.

Commercial Sale Rooms,
Mincing Lane, E.C., April 4.

Although this is a broken week in the markets, a drug-auction was held, when a fair quantity of the offerings was disposed of at generally good prices. Cape aloes brought rather dearer rates in view of the commandeering of Cape produce by the British Government. Zanzibar and Socotrine aloes are held over for high prices, but nothing sold. Oval buchus are much dearer, and stocks generally are getting into smaller compass. Balsam tolu is held for a slight advance on the previous auction. Sumatra benzoin was in fair demand at firm prices, and for cascara sagrada importers are now asking a slight advance. Cardamoms have an easy undertone, and are still almost unsaleable. Calumba is very scarce, but there is little demand. Dragon's blood in drop sold at a sharp advance; no re-boiled offered. Ergot is difficult to sell, and is lower. Siam gamboge was badly wanted for export, and met with keen competition at an advance of 4*l.* per cwt. Gentian flat, and tending easier. Honey was somewhat forced off the market, and sold at a decline of from 3*s.* to 4*s.* per cwt., a large quantity of unreliable in quality being in prize. Much more demand was shown for ipecacuanha at generally firmer prices. West Indian kola is steady, but for African higher rates were paid. Most of the menthol catalogued was withdrawn. Olibanum is selling at a further advance for drop, and for high-dried rhubarb owners are inclined to ask higher prices. No grey or Lima Jamaica sarsaparilla offered; the demand privately is extremely quiet. Tinnevelly senna is only sparingly offered, although there is a fair quantity in stock, and for leaf an advance of ½*d.* per lb. was paid. Strophanthus sold at fully private rates, and for beeswax of all descriptions much higher prices were paid. The following table shows the quantity of drugs offered and sold:

	Offered	Sold
Aconite (Jap.)	10	0
Albumen, egg	1	0
Aloes—		
Cape	92	34
Socotrine	(kgs.) 19	0
Zanzibar	(cs.) 33	0
Anise, star	10	0
Argol (Cape)	118	0
Balsam peru	5	0
Balsam tolu	10	0
Belladonna-root	12	0
Benzoin—		
Siam	11	0
Sumatra	189	73
Buchu	15	0
Calumba	68	0
Canella alba	10	0
Cannabis ind.—		
African	50	0
Cantharides	10	0
Cardamoms	87	22
Cascara sagrada	333	16
Cashew-nuts	57	0
Castor oil	3	0
Chiretta	84	0
Cinchona	58	0
Cinnamon oil	2	0
Cochineal	33	0
Cod-liver oil	10	10
Colchicum-root	6	0
Colocynth pulp	17	9
Condurango	28	0
Cubebs	43	0
Cumin-seed	28	0
Cuttlefish-bone	48	0
Digitalis-leaves	7	7
Dragon's-blood	59	13
Egg-yolk, hen	1	0
Elecampane	25	0
Elemi	17	0
Ergot	32	4
Fennel-seed	10	0
Gall	2	2
Gambier	1	0
Gamboge	14	14
Gentian	103	0
Guarana	2	0
Gum acacia	33	0
Gurjun oil	30	0
Honey—		
Chilian	160	20
Cuban	194	46
Honolulu	79	0
San Domingo, etc.	457	363
Juniper-berries	185	0
Kamala	10	0
Kino	2	0
Ipecacuanha—		
Cartagena	5	0
Johore	65	23
Matto Grosso	31	19
Kola	99	99
Laurel-leaves	15	0
Lemon oil	5	0
Lemongrass oil	1	1
Lime-juice (pun.)	36	9
Liquorice-root	353	10
Male-fern root	21	0
Manna	17	0
Mastich	2	0
Menthol	16	0
Mint oil (Jap.)	45	*25
Musk-seed (tin)	1	0
Myrrh	28	28
Naphthaline	2	0
Nux vomica	108	0
Olibanum	221	*10
Orange oil (cs.)	5	5
Orange-peel	36	0
Orchella-weed	46	0
Orris	2	2
Otto of rose (tins)	3	0
Peppermint oil (tins)	11	11
Potash carb. (cks.)	7	0
Quillaia	4	0
Rhatany	8	0
Rhubarb (Ch.)	125	8
Sarsaparilla—		
Mexican	25	0
Native Jam.	4	0
Senega	5	5
Senna and pods—		
Alex. and Arabian	64	31
Tinnevelly	358	119
Soda bichrom.	8	0
Squill	33	0
Stavesacre	8	0
Stramonium	7	0
Strophanthus	4	1
Sulphur (bgs.)	151	0
Do. (cks.)	38	0
Tonka-beans	22	0
Tragacanth	33	*1
Turmeric	344	0
Turtle, dried	9	9
Uva ursi	2	0
Valerian (Ind.) ton	1	*1
Wax (bees')—		
East Indian	78	0
Honolulu	132	9
Madagascar	28	28
Morocco	10	10
Mozambique	28	28
Wax, veg. (Jap.)	77	0

* Sold privately.

Aloes.—Cape was rather firmer, fair bright hard Mossel Bay firsts selling at 41*s.* 6*d.*; good seconds at 40*s.*; ordinary seconds, 37*s.* to 37*s.* 6*d.*; ditto, very broken and part cindery, 36*s.* 6*d.*; and ordinary, mixed with dirt, 28*s.* per cwt. A lot of 33 cases of Zanzibar in monkey skins offered and retired at from 100*s.* to 102*s.* 6*d.* for good hard liver, and for good hard Socotrine in kegs the limit was 100*s.*

Balsam Peru.—Five cases of thick genuine (Umney's analysis) were limited at 15*s.* per lb.

Balsam Tolu.—A new lot of ten cases fair hard unsorted were limited at 2*s.* per lb.

Belladonna-root.—A lot of 12 bags, without test, was bought in at 6*s.* 6*d.* per lb.

Benzoin.—Sumatra was firm, over 70 cases being disposed of, including private sales: 23 cases of middling seconds, with brown barky edges, sold at 5*l.* 12*s.* 6*d.* per cwt. subject, and for four cases of fair almondy seconds from 6*l.* 15*s.* to 7*l.* was paid. Ten cases of good streaky thirds sold at 5*l.* 15*s.*, and country-cut went at 5*l.* per cwt. The best lots in the sale (23 cases) had been sold privately at 8*l.* 5*s.* per cwt. for good almondy, well-packed seconds. A case of good small to bold Siam blocky seconds was limited at 23*l.* per cwt.

Buchu is much scarcer. Six bags of fair clean green round were limited at 6*s.*, and slightly yellowish mixed at 5*s.* per lb. No oval leaf offered, and privately 3*s.* 6*d.* is wanted for this description, an advance of 9*d.* per lb.

Calumba is still scarce. In auction 68 bags of small to bold common dull natural, part wormy sorts, were retired at 55*s.*

Cantharides.—The limit on fair Chinese is 4*s.* 6*d.* per lb., at which business has been done.

Cardamons met a slow sale, a few medium Ceylon Mysores realising 1*s.* 9*d.*, small to medium 1*s.* 4*d.* to 1*s.* 6*d.*, and small 1*s.* 4*d.* to 1*s.* 5*d.*

Cascara Sagrada.—A lot of 297 bags fair quill was limited at 105*s.* net and gross for net, and a further 20 bags, of very coarse, partly mossy and thick bark, were limited at 100*s.*, and for 16 bags of sea-damaged from 75*s.* to 82*s.* 6*d.* was paid.

Cinnamon Oil.—For two cases of Ceylon leaf 7*d.* per oz. was wanted.

Cod-liver Oil.—A lot of ten barrels (Jervell's) Norwegian non-freezing oil, of which no sample was shown, sold without reserve at 310*s.* per barrel.

Colocynth-pulp.—For five bags of fair pale pulp 1*s.* 6*d.* was wanted. A bale of sound siftings sold at 5½*d.*, and for nine packages sea-damaged pulp from 3¼*d.* to 5½*d.* was paid according to damage.

Digitalis.—Seven bags of English stalks with some leaf sold without reserve at 8*d.* per lb.; 1*s.* 6*d.* is the private price for sound leaf.

Dragon's-blood was much dearer, ten cases of good Zanzibar drop from Bombay selling at 13*l.*, and for three bags of dust 8*l.* 10*s.* was paid. Ordinary dull slabs were limited at 8*l.* 10*s.*

Ergot was lower, four bags of fair sound Russian selling at 1*s.* 6*d.* per lb.

Galls.—A single case of fair plum-shaped Chinese sold at 5*l.* 12*s.* 6*d.*, and a case of ordinary shaped at 5*l.* 2*s.* 6*d.*

Gamboge.—A new lot of fourteen cases sold at an advance of about 4*l.* per cwt. compared with previous prices, from 34*l.* 10*s.* (one lot) to 34*l.* 15*s.* per cwt. being paid for good orange fractured Siam pipe, slightly blocky and damp. The import of this gum is prohibited into the United Kingdom.

Gum Acacia.—For picked Senegal from 95*s.* to 100*s.* per cwt. was wanted.

Honey.—Demand was much less keener, and for sound honey prices were from 3*s.* to 4*s.* per cwt. cheaper, while for 457 packages of mostly San Domingo (in prize) of partly unreliable quality the decline was even more. No Jamaica offered; of 76 casks Cuban, 51 casks sold at 95*s.* to 95*s.* 6*d.* for mostly palish set; 79 cases set Honolulu were retired at 92*s.* 6*d.*, and 10 kegs Chilian sold at from 93*s.* for ordinary brown; 457 packages, mostly Chilian (in prize), were disposed of at from 70*s.* for fermented and sour up to 98*s.* for pale set in kegs.

Ipecacuanha was in much better demand. The principal offering was a new lot of 60 bales Johore, of which 23 bales sold at from 8*s.* 8*d.* to 8*s.* 10*d.* per lb., with two bales at 8*s.* 6*d.* for fair native-picked, partly small and greyish; siftings sold at from 7*s.* 10*d.* to 8*s.* 2*d.* Matto Grosso was firmer, three bales of stout sound selling at 10*s.* 6*d.*, two bales fair lean greyish 9*s.* 6*d.*, and of sea-damaged 13 bales sold at from 7*s.* 3*d.* to 8*s.* 11*d.* per lb., according to damage. Of Cartagena one case offered, for which the limit is 10*s.* At this price business has been done privately.

Juniper-berries.—For 185 bags of fair Italian 27*s.* per cwt. was wanted.

Kino.—Two boxes of ordinary dusty and woody siftings were limited at 1*s.* 4*d.* per lb.

Kola.—African, which had been extremely scarce, sold at from 7¾*d.* for slightly wormy up to 8¼*d.* for good sound

quarters, seventy-seven bags being disposed of. Of West Indian thirteen packages sold, including medium to bold good whole and halves, at 5¼d. to 5¾d.

Lemongrass Oil.—A single case of Dominican sold at 2¼d. per oz.

Lime-juice.—Seven packages of fair pale raw Grenada sold cheaply at 1s. 9d., and two packages of brown from Trinidad sold at 1s. 6d. per gallon subject.

Liquorice-root is offering more freely, but quality is very poor. In auction ten bales of ordinary lean unpeeled Italian sold at 50s. per cwt.

Male-fern Root.—A lot of twenty-one bags English, very dry and light in weight, was retired at 75s. per cwt.

Manna.—A lot of seventeen cases good pale flake was retired at 7s. per lb.

Menthol.—In auction sixteen cases of sea-damaged Kobayashi were catalogued without reserve, but as no instructions had been received from the underwriters the lot was not offered. Ten cases of Tase brand were bought in at 12s. 6d. Private market is very quiet.

Myrrh sold at firm rates, 28 bags of ordinary small dark and blocky selling at from 62s. 6d. to 70s., and dull and dusty siftings at 60s.

Olibanum.—Much higher prices are asked, from 140s. to 150s. being wanted for fair to good drop, and 60s. for fair garblings.

Orange Oil.—Two cases of Sicilian sold at 8s. 9d. per lb., and three cases of *bitter* went at 8s. 3d. per lb.

Orris.—Two bags of fair, partly plump, Mogador sold at 51s. per cwt.

Rhubarb.—High-dried is tending dearer, eight cases of medium to bold flat, with three-quarters fair pink fracture, selling at 1s. 6d. per lb. The limit on medium to bold round horny High-dried has been raised to 11d. per lb. A fair selection of Canton offered, but nothing sold, the limits on medium to bold round, with three-quarters palish-pink fracture, being from 1s. 7d. to 1s. 8d. No Shensi offered.

Sarsaparilla.—No grey or Lima-Jamaica offered A parcel of twenty-five bales of the latter had been catalogued, but was not landed in time. Twenty-five bales of Mexican were limited at 1s. 5d., and four bales of native Jamaica offered, the limit on these being 1s. 6d. per lb.

Senega.—Five bales of fair sold at 3s. 3d. per lb. net, no allowances.

Senna.—Tinnevelly was only sparingly offered, and prices of leaf showed ½d. per lb. advance on previous rates, ordinary small to fair medium greenish leaf selling at from 4½d. to 5¼d., and good medium 6½d. per lb. A lot of 49 bales of Tinnevelly pods mostly sold without reserve for account of whom it may concern at from 2¼d. to 5d. for sea-damaged, and 5¼d. for sound. Ten bales of slightly broken Mecca leaf sold at from 6d. to 6½d. per lb. A lot of 21 bales Mecca sold without reserve for account of whom it may concern at 3½d. to 4½d. for sea-damaged leaf, and from 3d. to 5¾d. for sea-damaged siftings.

Strophanthus.—Three bags of fair Kombé offered, the limit on which was 4s. 3d. per lb., a bid of 3s. 8d. being refused, and in another instance a single bag sold at 3s. 6d.

Turtle.—Nine cases of dried sold at from 1s. 9d. to 2s. 3d. per lb. for slightly wormy.

Wax, Bees', was much dearer: a lot of 132 cases Honolulu of genuine quality, was mostly bought in, small sales being made of pale brown and yellow at from 10l. 5s. to 10l. 7s. 6d., and gre– at 9l. 15s. Of Madagascar wax 29 bales offered, and sold at from 9l. 10s. to 9l. 12s. 6d., and thirty-five packages of Mozambique sold at 9l. 12s. 6d. for fair yellow and brown pipe, fair block going also at this price.

Shellac for Munitions.

The following Press communiqué, dated Delhi, February 22, 1917, has been issued by the Government of India in the Department of Commerce and Industry: "In order to give effect to certain suggestions recently made by the Ministry of Munitions with the object of ensuring an adequate supply of shellac for munitions purposes, Sir George Barnes met the shippers of shellac at Calcutta at the beginning of last month. The following arrangement was then decided on and is now in force: The shipment of lac to all destinations has been prohibited except under licence, and licences are granted to shippers on condition that they set aside, at a price considerably below the present market price, 20 per cent. of the amount available for shipment of the form of shellac of the required standard. This suggestion, which was put forward by the shippers, entails on them a substantial risk of loss, though of course it is open to them to recoup this by obtaining higher prices for non-Government exports; and the Ministry of Munitions and the Secretary of State have asked the Government of India to convey to the shippers their appreciation of the public-spirited way in which they have met the Government requirements."

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Blinded Soldiers' and Sailors' Hostel.

Sir,—Will you permit me to ask your readers if they will be so generous as to give support by gifts in cash or kind to the Blinded Soldiers' Bazaar which is to be held at the Royal Albert Hall during the second week in May? I feel sure that no flowery phrases are needed to evoke their sympathy for the men who have made so great a sacrifice for the freedom and future prosperity of this country. So may I please just leave the matter like this: If you who read this letter think that the fight which Britain is making is a just fight, if you honour and respect the men who have represented you in that fight, if you have sympathy for those who in thus representing you have suffered so terrible a deprivation as the loss of their sight, you will send a contribution, be it large or small, be it in cash or kind, to the Secretary, Blinded Soldiers' Bazaar Committee, 6 Bayswater Hill, London, W.

Yours faithfully,
Arthur Pearson, Chairman
Blinded Soldiers' and Sailors' Care Committee.
St. Dunstan's, Regent's Park, N.W.

Mineral or Solvent Naphtha.

Sir,—This differs in composition from what it was a few years ago. It no longer contains benzene, toluene, and xylene, which are all low boiling-point liquids, and what is now sold has a very high boiling-point, and is not available for use as a solvent in the Soxhlet fat-extraction apparatus. Benzene is dear and difficult to obtain, and when required for use as a solvent with the above apparatus, where economy has to be studied, it may be mixed with the mineral naphtha and so used. A modification of the mode of procedure must be followed. Instead of evaporating off the solvent and weighing the dissolved residue, it is now necessary to weigh the material put in the fat-extractor before and after the operation, the substance being first dried or the amount of moisture determined by a separate operation. The material to be extracted may be enclosed in bibulous paper which has been previously dried. Weighing-tubes may be advantageously used. If 50 c.c. is the capacity of the fat-extractor, 60 c.c. will be ample for conducting the operation, and with efficient condensation can be used over and over again. A suitable quantity of the mineral naphtha is 100 c.c., but this can be regulated according to the size of the boiling-flask, and seldom needs replenishing unless it contains much solvent, and there is no fear of the flask-contents becoming dry. The same quantity of benzol (60 c.c.) with 100 c.c. of mineral naphtha has been used about a dozen times in the boiling-flask for certain operations which have to be performed by the writer. It is applicable to the determination of fixed oil in seeds and seed-cakes, and for "defatting" substances generally, such as powdered nux vomica, thyroid gland, strophanthus-seeds, milk-residues, cheese, etc.

Yours truly,
Abel Scholar.

Circulars and Advertising.

Sir,—Following upon the observations in The Chemist and Druggist, March 31, p. 43, I should like to say that the Government regulations, while restricting advertising, need not break links forged at great expense between firms and customers. The Government's intention is merely to relieve postal authorities, to set free as many printers as possible, to economise paper—not to stop advertising. Take posters for example, these must be small; but now that everyone is allowed but limited space, a modest sized poster can no longer be overpowered by an arrogant neighbour, so this regulation has its beneficent side. No catalogues, booklets, folders, etc., are to be distributed except at written request. This does not forbid, it simply limits distribution. One way to comply with regulations and still keep in touch with the public is by using space in Press regularly and filling it with terse, original, attractive matter, changed frequently to keep up the interest, and in every ad. say "Send for booklet (or folder) for further information." Thus Government orders are complied with. Space is expensive. Unless your appropriation is large supplementary literature is absolutely necessary to tell the story. Successful users of even big spaces do this, and it

is wise to follow in the footsteps of success. Besides, in this way a chance is given for sending a persuasive personal letter. Many of my clients are now using larger booklets than usual, and requesting in Press ads. that these be sent for with 2*d.*, 3*d.*, or sometimes 6*d.* in stamps. This reduces price of advertising, and brings excellent results if booklet is planned on certain interesting lines. Success depends upon the kind of folders or booklets used. Because of increased cost of printing, etc., it is even more necessary than ever to be sure that all advertising is done in the most expert manner possible. Adversity is a good teacher, and people are now beginning to realise the value of really scientific publicity. We all want loyally to support the Government; but in so doing there is no necessity to neglect our own interests—nor is it the intention of the Government that we should. To turn elements that might make for failure into a cause for success is a great triumph—a sign of good generalship—and the plan suggested has brought, and is bringing, excellent results.

Yours very truly,
F. A. Degen, F.I.S.A.C.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Truth will Out.

Lady: "An ounce of glycerin for medicinal purposes, please." Chemist: "Sorry, madam, we can only supply glycerin on a doctor's order." Lady: "Oh, dear! What shall I do? Nothing else is any good for my hands." This occurred at 75 Northolt Road, Harrow.—*R. C. Frank.*

Spanish Earth.

F. N. C. (253/32), writing in regard to his original inquiry as to what is meant by Spanish earth (*C. & D.*, March 17, p. 52, and March 31, p. 51), says: "I have since ascertained that it is a form of kieselguhr, and has been obtained at the Golden Key, Norton Folgate. It is used for clearing wines. The retail price is 1*s.* lb." [This shows how old names are adapted to new substances.—Editor *C. & D.*]

Venereal Diseases.

W. J. B. (246/39) writes: "Could you obtain for me the official idea as to the form of question I should put to my customers to comply with the Venereal Diseases Bill? 'Do you suffer from syphilis or gonorrhœa?' seems somewhat crude when wrapping up 1 oz. pot. bicarb., especially if it happens to be a lady."

[The President of the Local Government Board may have some suggestion on the subject. He is responsible for the Bill.—Editor *C. & D.*]

Registration of Names.

A Kent Chemist (244/34) writes: "I must again thank you for your kindness and interest in advising me about registration. I have now filled up a form, but I must confess I felt rather rebellious about the far-reaching character of the Act as applied to Britishers who always have traded in their own name."

[This is not an uncommon feeling, and we may recall that when the measure was before the House of Lords last November we said that it would give a great deal of trouble and create work at a time when we are short of workers. This is happening now, and our subscribers will keep in mind that registration of business names did not cease on March 22, but goes on like the registration of limited companies.—Editor *C. & D.*]

Jay Macksims
(As he Writes them).

The Ministry of Health may arrive in time to wipe the Pharmaceutical Council off the map.

Otherwise "Xrayser's" idea of seven pledged candidates could put our Society in order by May 1918, when the second seven went in.

John Burns is right: venereal disease must be cured, not merely jobs found for doctors and chemists.

But chemists might help in gaining the confidence of timid patients by being allowed to apply first-aid on approved medical lines.

Until medical men are better up on the subject, and until public opinion is ready to welcome what must come—compulsory notification.

Legal Queries.

Beanco (258/22).—You will find the information you want as to denaturising methylated spirit in the *C. & D. Diary*, p. 217.

Interest (257/52).—You have no legal right to charge a customer interest on overdue accounts unless you and the customer entered into a specific agreement to this effect before the debt was incurred.

Nolens (257/70) asks if he is within his rights in showing window-posters which were in stock before the new order. [Yes. The exhibition after March 24 is prohibited "except . . . where the goods are offered for sale."]

Inflammatus (256/25).—The Paper Commission's Orders are made after careful consideration of all interests, but whether or not such cases as yours have been considered we cannot tell. We suggest that you should send a copy of your circular, with all particulars, to the Secretary, Royal Commission on Paper, Central House, Kingsway, London, W.C.

Bark (245/7) and his son trade, substantially, as X. Bark & Son, the father at one address and the son at another, but they are not in partnership, and each owns the business that he carries on. How do they fall under the Registration of Business Names Act? [Both businesses can be continued as X. Bark & Son, but it will be necessary for the father to register as an individual in respect to the shop he carries on, and the son also as an individual in respect to the other place. Trade catalogues, trade circulars, showcards, and business letters which have on them the firm name must also bear the true name of the appropriate individual.]

Inflammatus (245/40) carries on business under a firm name composed of that of a former partner and his own surname, and he wants to know if he must register under the Registration of Business Names Act. [Yes, register as an individual by means of Form R.B.N. 1, obtainable from a post-office. Registration is imperative. No alteration of the labels and cartons will be necessary, but on pamphlets (*i.e.*, trade catalogues and circulars) bearing the firm name our subscriber's true name must also appear, and this may be put on by means of an indiarubber stamp or printed label. The name must also appear on letter-paper which bears the firm name.]

H. J. S. (257/2).—The Military Service Acts apply to male British subjects between eighteen and forty-one years of age who, since August 15, 1915, become "ordinarily resident in Great Britain." In the case of a British subject resident in Ireland who desires to come to London in order to study optics for a few months, his best plan is to retain his address in Ireland and furnish himself with a statement, testified by a local Magistrate, showing what the man's occupation in Ireland has been and the purpose of his visit to England. It is not at all likely that he will be called upon here for military service, but if he were the magisterial statement would end the matter.

Miscellaneous Inquiries.

Equo (242/48).—Horse-wash.—The use of a solution of 1 dr. of carbolic acid and 3 dr. of cyllin in a gallon of water as a mange-lotion for a horse would, we should think, be harmless, but preference is given to sulphur compounds in an oily basis.

Bruno (240/7).—Treacle is the uncrystallisable residue obtained in the refining of sugar. The lighter variety, known as golden syrup, which has almost replaced the treacle of former times, is a refined treacle often containing some glucose syrup added to prevent it changing. The addition of glucose is not, however, considered necessary by some experts, and is only needed where the treacle contains some sugar not entirely inverted. The residual molasses is sold to distillers or to manufacturers of cattle-food. Golden syrup is not so sweet as ordinary sugar if glucose has been added to it in the process of manufacture. The darkening of cocoa to which golden syrup is added may be due to the reaction of iron and tannin contained in the golden syrup and cocoa respectively, but on this point exact observation and a few tests would be needed.

F. C. (257/19).—Atheroma is thickening of the arteries. See the "Chemists' Dictionary of Medical Terms," p. 24.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," April 15, 1867.

The Pharmacy Bill

"A Bill to regulate the sale of poisons and alter and amend the Pharmacy Act, 1852," occupied the place of honour in the issue. It consisted of twenty-three clauses and schedules A, B, C, D, and E. The Bill was an agreed measure formulated by the Pharmaceutical Society, and was amended and passed on July 31, 1868. The Act consisted of twenty-eight sections, besides six schedules. In subsequent issues we propose to indicate the more notable differences between the Bill and the Act, as they are still of great interest, and a generation has grown up who know not the facts.

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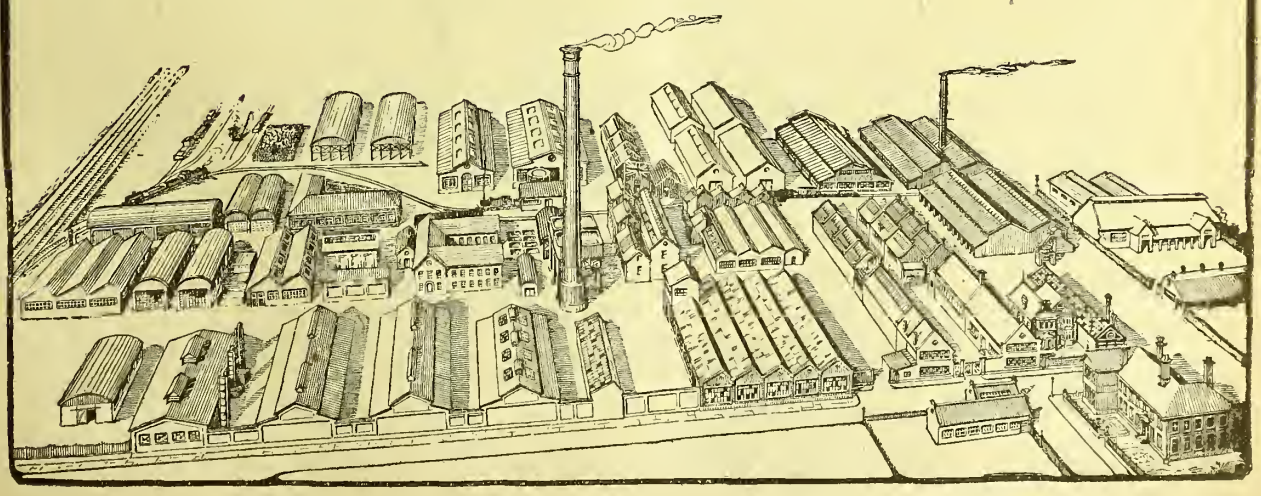

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Oxymel Scillæ, B.P., 1 cwt. @ cwt.; *7 lbs. @ 11d. lb.

Papain, 1-80, 1 oz. @ 3/- oz.
Paraffinum Durum, B.P., 2 cwt. @ 7½d. lb.; 1 cwt. @ 7¾d. lb.; 56 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.; Molle Flav., B.P., 3½ cwt. @ 50 - cwt.; 1 cwt. @ 52/6 cwt.; 28 lbs. @ 6½d. lb.; 7 lbs. @ 7½d. lb.; Alb. B.P., 3½ cwt. @ 90/- cwt.; 28 lbs. @ 1/- lb.
Paraldehyde, B.P., 1 lb. @ 13/6 lb.
Peprin, B.P., 1 lb. @ 12/- lb.
Phenacetin, P.B., pulv., 1 lb. @ 90/- lb.
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Phenolphthalein, 1 lb. @ 97/6 lb.
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Potass. Bicarb. Pulv., 7 lbs. @ 2/2 lb.
Potass. Brom. P.B., 7 lbs. @ 6/6 lb.
Potass. Chlor. Pulv., 7 lbs. @ 3/4 lb.
Potass. Cit., B.P., 7 lbs. @ 4/8 lb.
Potass. Cyanidum, 98%, 7 lbs. @ 3/9 lb.
Potass. Iod., P.B., 14 lbs. @ 12/10 lb.; 3 lbs. @ 13/3 lb.
Potass. Metabisulph., 7 lbs. @ 3/3 lb.
Potass. Permang., Cryst., 2 lbs. @ 14/- lb.
Potass. Prussias Flav., 7 lbs. @ 5/6 lb.
Pulv. Cretæ Aroma. P.B., 14 lbs. @ 1/2 lb.; c. Opio, B.P., 7 lbs. @ 3/- lb.
Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 105/- cwt.
Pulv. Ipecac. Comp. P.B., 1 lb. @ 7/- lb.
" Jalap Comp. P.B., 1 lb. @ 2/4 lb.
" Rhei Comp. P.B., 1 lb. @ 2/- lb.

Quassia Chips, 1 cwt. @ 40/- cwt.; 28 lbs. @ 5d. lb.
Quinine Bisulph., 10 oz. @ 4/3 oz.
Quinine Ethyl Carb. (Tasteless), 10 oz. @ oz.
Quinine Hydrobromas, B.P., 25 oz. @ 3/11 oz.; 10 oz. @ 4/- oz.
Quinine Hydrochlor., B.P., 25 ozs. @ 3/9 oz.; 10 ozs. @ 3/10 oz.
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Saffron, Valentia, B.P., 7 lbs. @ 43/- lb.; 1 lb. @ 45/- lb.; 1 oz. @ 3/- oz.
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Salicinum, B.P., 1 lb. @ 28/- lb.
Salol, B.P., 1 lb. @ 12/6 lb.
Sang. Draconis, pulv., English ground, 7 lbs. @ 3/- lb.
Santoninum, P.B., 16 oz. @ 160/- lb.
Sapo Cast. Alb., 2 cwt. @ 55/- cwt.; 7 lbs. @ 7½d.; pulv., 1 cwt. @ 112/6 cwt.; 56 lbs. @ 1/1½ lb.; 7 lbs. @ 1/3 lb.; Animal pulv., 1 cwt. @ 105/- cwt.; 56 lbs. @ 112/- cwt.; 7 lbs. @ 1/1 lb.
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Soda Sulphocarbolas, B.P., 7 lbs. @ 3/9 lb.; 1 lb. @ 4/1 lb.
Sodii Bromid., P.B., 7 lbs. @ 4/1 lb.
Soda Hyposulphite, pea cryst., 1 cwt. @ 34/- cwt.
Soda Hypophosph., 7 lbs. @ 4/-; 1 lb. @ 4/3.
Sodii Salicyl. Pulv., 2 lbs. @ /10 lb.
*Spt. Æther Nit. P.B., 4½ lbs. @ 4/9 lb.; 1 lb. @ 5/2 lb.
* " Ammon. Aromat., P.B., 5 lbs. @ 4/- lb.
* " Chloroform, P.B., 5 lbs. @ 4/8 lb.
Strontiæ Bromid., 1 lb. @ 7/6 lb.
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* " Rhamni, 7 lbs. @ 1/1 lb.
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*Tinct. Gelsem. P.B., 5 lbs. @ 3/7 lb.; Aquos, 1/4 lb.
*Tinct. Gentianæ Comp., B.P., 5 lbs. @ 2/7 lb.; Aquos, 1/1 lb.
*Tinct. Hyoscyam., B.P., 5 lbs. @ 4/7 lb.; Aquos, 1/10 lb.
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OFFICE: 42 CANNON STREET, E.C. SATURDAY, APRIL 7, 1917.

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Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done PROVIDED the MONEY is TELEGRAPHED at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C.
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3.—TOTTENHAM.—Ready-money Business; returning, under Manager, £1,400 to £1,500 at good prices; books kept by accountant and stock taken annually; about £375 required to purchase, £200 on entry, and balance by instalments.

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7.—LONDON, W.—Retail, Dispensing, and Optical; chiefly ready money; returns about £1,000 yearly; well-fitted shop; no active opposition; price £450.

8.—BOURNEMOUTH.—Old-established Business, essentially Dispensing and Family Retail; position unique; returns £2,500; under modern management an opening presents to considerably augment the turnover; terms, valuation of stock and fixtures, less a substantial rebate; vendor retiring.

9.—WESTERN COUNTY.—Old-established Business, Retail, Dispensing, and Agricultural; situate in best position in good market town; returns about £1,700; about £1,000 required, for which full value is offered.

10.—WEST OF ENGLAND (Health Resort).—Select, good-class Business, admitting of extension; returns about £1,400; well-stocked shop and good house, on lease; price £1,200.

11.—SUSSEX.—For immediate Disposal, well-established Business returning between £700 and £750; *profits about 50 per cent.*; commodious premises; rent £40 yearly; new lease will be granted; price to be arranged equitably; illness cause of sale.

12.—LAKE DISTRICT.—Mixed Business, with excellent sale for own Proprietaries; returns about £3,000; terms, stock and fixtures at valuation and sum for goodwill to be arranged equitably.

13.—HOME COUNTY (Residential Locality).—Select good-class Business, admitting of extension; returns about £1,000 at good prices; well-appointed shop and good house; price about £700.

14.—HANTS.—Mixed Country Business; established about 100 years; returns £800; *net profit* £300; large double-fronted shop; comfortable residence; price £450.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

GLAM.—Mining town; population 7,000; unopposed Retail; nearest Chemist 3 miles; turnover last year over £1,000; capable of considerable increase; profits above the average of the Retail trade; scope for Optics and Dentistry; £50 and valuation of stock and fixtures accepted; a rare opportunity. 193/28, Office of this Paper.

LANCASHIRE (Large town).—Sound, progressive Business for sale within next few months; price about £800; shop is well stocked; very little credit trading; N.H.I. about 10 per cent. of turnover; rent low; good house attached; healthy situation; owner taking bigger concern. Apply, 193/10, Office of this Paper.

TO CHEMISTS' AND DRUGGISTS' SUNDRIESMEN.

LEEDS.—For Sale, as a going concern, old-established Wholesale Business (1868) of Simcock, Ltd. (owing to death of Managing-Director); to an immediate purchaser goodwill will be included in stock, and fixtures and fittings, etc., to be taken at a valuation; book debts optional. For particulars apply E. Fitz-Gerald Hart, Solicitor, 18 Park Lane, Leeds.

MIDLANDS.—Old-established Business for Sale through ill-health; returns near £600; rent £40, let off £26; good opening for dentistry, none in town; shop well stocked; commanding position; good house and garden, warehouses, etc.; bathroom w.c. upstairs; splendidly fitted; sacrifice £450 or near offer; urgent. Apply, 193/9, Office of this Paper.

CHEMIST Business; capable of rapid improvement; small price for cash. "B." (192/2), Office of this Paper.

FOR Sale, as a going concern, the Chemist's and Druggist's Business carried on for a number of years by Mr. Harry Thompson, at 46 Commerce Street, Aberdeen; Stock light; immediate entry; rental of premises £18 per annum; good opening for man with small capital. For further particulars apply to Henry J. Gray, Advocate, 41½ Union Street, Aberdeen.

PARSON C. BAKER
(Pharmaceutical Chemist),
Trade Valuer & Transfer Agent,
Recommended by The British Drug Houses, Ltd.; Messrs. Meggeson & Co.; Barclay & Sons, Ltd.
Valuer to the Association of Manufacturing Chemists.
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Tel. No.: Finchley 812.

BATTAM & HEYWOOD
(Estd. 1837.)
CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS.
Balance Sheets Prepared. Books Audited.
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VALUERS & TRANSFER AGENTS,
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Telephone: 1809 Central.
NO CHARGE TO PURCHASERS.

1.—SOUTH COAST.—First-class Retail and Dispensing Business, with scope for large increase; commanding position; low rent; elegant fittings and good stock; owner retiring through old age; valuation only required, about £700; part could remain; personally inspected and recommended.

2.—DEVON (Market Town).—Good-class Retail, Agricultural, and Photographic Business, under management and scope for increase; returns average £1,300; principal did £1,500; main road position; splendid premises; fully stocked; price simply valuation, about £900 to £1,000.

3.—HERTS (Market Town).—Most desirable Light Country Retail; easily worked; returns about £900; good profits; excellent house, bathroom, etc.; very best position; well stocked; price for prompt sale, £400 cash; strongly recommended.

4.—LONDON (12 miles out).—Middle-class Retail and Dispensing, with Dentistry; returns approach £1,300, increasing; net profit over £400; modern house and large garden; rent £50; compact, well-fitted Pharmacy, well stocked; price £600, or £150 and valuation; partnership entertained.

5.—LONDON, N.W.—Exceptional offer; Light ready-money Suburban Retail, returning over £20 a week; no immediate opposition; rent more than covered by letting off house, on lease; double-fronted shop; heavily stocked; price for quick sale £350, or would accept £150 for lease and fixtures and remove stock, or so much as not required.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application. See page 90 of the *C. & D. Diary*, 1917.

SALES BY AUCTION.

PRELIMINARY ANNOUNCEMENT.
TO ENGINEERS, MANUFACTURERS, AND OTHERS.
BRITISH MOTOR SPIRIT SYNDICATE, LTD., NORTH STREET, CHARLTON, S.E.
Close to Charlton Junction Station (S.E. & C. Railway).
OIL-REFINING PLANT AND MACHINERY, comprising Vertical Boilers, Gas Retorts, Rotary and other Pumps, Stills, Condensors, Electric Motors, Condensing and other Tanks, Gas Producer Plant, Shafting, Office Furniture, Safe, also Stock of Nickel, Lead, Iron, etc.
LEOPOLD FARMER & SONS will Sell the above by Auction on the premises at an early date.
Catalogues of the Auctioneers and Factory Specialists, 46 Gresham Street, E.C., and Kilburn, N.W.

BUSINESSES WANTED.

ADVERTISER wishes to Purchase Business suitable for unqualified; must be cheap and going concern; London or suburb. Replies treated in confidence. "Enterprise" (193/35), Office of this Paper.

FOR SALE.

BOTTLES.—50 gross clean, unused, 1-oz. tall American White. Offers for whole or part to Ducker, 15a N. Audley Street, London, W. 1.

FOR Sale.—3 Gross Bottles of 50 Formalin Tablets, in printed Carton, marked "AXIX"; advertiser wants best offer for the lot. Apply, 256/57, Office of this Paper.

RECEIPT-PRINTING National Cash Register for Sale (second-hand); great bargain for immediate purchaser. Write at once to F. Hessey, 50 St. Thomas' Road, Finsbury Park, N.

PARTNERSHIPS.

ABLE Pharmacist, ineligible for military service, with not less than £300 to invest, required as Partner; no objection to a lady. Apply, giving a brief outline of experience, to "Personal and Confidential," c/o Mr. William Shadforth, Pharmaceutical Chemist, 63 Grove Road, Bow, London, E. 3.

AGENCIES.

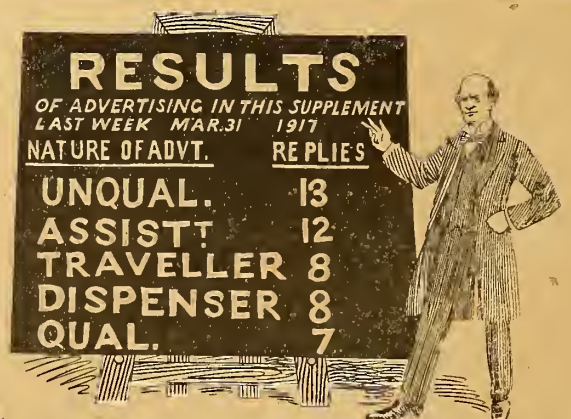
Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

PORTUGAL.—Advertiser, with good business connection in Portugal, would like to take up the Representation of Manufacturers of Chemical Products, Colours, Essences, etc.; principal office in Lisbon. Write to 141/39, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BRISTOL.—Wanted, capable Dispenser; short hours. Apply, with photograph, to Ferris & Co., Ltd., Union Street, Bristol.

BROMLEY, KENT.—Wanted, Assistant (soon) for Light Retail business; lady or gentleman (ineligible); must have had good experience; outdoors; view to succession or purchase entertained. Apply, with full particulars, experience, age, references, salary required, to H. D. Kelf, Pharmaceutical Chemist, 32 The Broadway, Bromley, Kent.

EALING, W. 5.—WANTED, an Assistant (lady or gentleman) for good-class Dispensing business. Apply, with full particulars, age, experience, and salary required (outdoors), to W. A. Weston, 8 Sandringham Parade, Ealing, W. 5.

GREAT NORTHERN CENTRAL HOSPITAL, Holloway London, N. 7.—Qualified Pharmacist required at once for period of war, lady or gentleman; hours 9.30 to 6, Saturdays 2; one hour duty every third Sunday; lunch provided. Apply, stating salary required and full particulars, to Gilbert G. Panter, Secretary.

HERNE HILL, S.E.—Reliable Assistant (lady or gentleman) with knowledge of Photography and Dispensing; outdoors. G. W. G. Robinson, M.P.S., 307 Railton Road, Herne Hill, S.E.

HULL.—Wanted, a qualified Assistant (lady or gentleman) for Light N.H.I. Dispensing and part assistance at Retail Counter; state salary and when disengaged. Apply, 190/29, Office of this Paper.

LONDON, N.—Reliable lady Dispenser wanted for high-class Pharmacy; previous Counter experience not essential. Write, stating qualifications, etc., to 190/26, Office of this Paper.

LONDON, W.—Junior; Whole or Part-time; outdoors; Stock and Dispensing; quick Store trade. Needham's, Ltd., 297 Edgware Road, W.

LONDON, W.—Assistant required for high-class Pharmacy; exempt from military service; the duties are varied and congenial; good salary offered to the right man; personal interview preferred. Apply, Manager, 164 Piccadilly, W. 1.

LUTON.—Wanted, lady Assistant for Dispensing and Counter work; easy hours. Apply, J. T. Sunman & Son, Chemists, 43 Wellington Street, Luton.

MANCHESTER.—Qualified Assistant for Dispensing and Light Retail; ineligible; outdoors. Particulars, W. H. Delve, M.P.S., 310 Stretford Road, Manchester.

SOUTH of England.—Assistant required; free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

WAKEFIELD.—Qualified Assistant wanted with view to succession preferred; General, Prescribing, and N.H.I. Dispensing; established 1833; outdoors. Alfred Green, Chemist, Eastmoor Road, Wakefield.

WOLVERHAMPTON.—Qualified Chemist required to Manage Branch Pharmacy in this district; middle-class, Light Retail and Dispensing business; no Sunday or night duty and easy hours. Applicants must give full particulars of experience, age, and salary required, to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

ASSISTANT (lady or ineligible) for Light Retail, Dispensing, and Photographic business in healthy Midland country town. State full particulars and salary required, to Blades, Chemist, Leek.

DISPENSER.—Wanted, Dispenser, principally for N.H.I., or good Assistant used to quick Retail; free from military obligation or just over age; London; outdoors; good salary to suitable man. Apply, "Chemist" (192/14), Office of this Paper.

MANAGER required; Minor qualification; good-class suburban business; S.E. district; house rent free. Write, stating salary required, all particulars, to 193/26, Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

PRESCRIPTION PRICING OFFICE (N.H.I.), dealing with over two million Prescriptions per annum, require Supervisor with expert technical knowledge and experience of Dispensing practice; experience in Office Management, Preparation of Statistics, etc., a recommendation; salary £200 per annum. Address, stating fully qualifications, age, experience, and earliest date at liberty. Secretary, West Midlands Joint Committee, High Street, Smethwick.

QUALIFIED Manager (temporary); entire charge during owner's absence; Wednesday and Sunday duty. Salary and full particulars required, "Solo" (189/40), Office of this Paper.

QUALIFIED Assistant wanted immediately; outdoors, or bedroom provided; short hours; good-class Dispensing and Retail. Apply, personally or by letter, to Hairsine & Co., 47 Haymarket, S.W. 1.

THOMPSON & CAPPER, LTD., 36 John William Street, Huddersfield, have a vacancy for a first Assistant, either sex.

WANTED, Manager, to take full control country business; Proprietor in France; Yorks town; salary £3 3s. (outdoors); must be ineligible for Army and an abstainer; comfortable berth for good man. Apply, 193/12, Office of this Paper.

WANTED, a qualified Assistant (ineligible for Army); a lady or active elderly man would suit; short hours; no Sunday duty. Apply, Staff Superintendent, Civil Service Supply Association, Ltd., 136 Queen Victoria Street, E.C.

WHOLESALE.

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AYRTON, SAUNDERS & CO., LTD., require an Assistant for their Packed Goods Department; Retail experience essential. Send full particulars to "J. G. T.," Ayrton, Saunders & Co., Ltd., Wholesale Druggists, Liverpool.

CHEMIST required, to take charge of Manufacture of Toilet Preparations, Perfumery, etc.; either sex; good opportunity for a person with creative ability. Apply, in writing, giving particulars of past work done and salary required, to "B. B." (259/9), Office of this Paper.

CHEMIST wanted for Government-controlled Sugar Refinery; must have experience of Sugar Refining, Analysis, etc., and be ineligible for military service or over 30 years of age and below Class B 3. References and name of present or last employer to be sent with application. Write, Box G991, Lee & Nightingale, Liverpool.

COST Clerk (experienced) required in Drug Costing Department; must be ineligible for military service. State age, experience, salary required, to "C. P. W.," c/o Burgoyne, Burbidges & Co., Ltd., East Ham, E. 6.

WANTED, Representative for the Druggists' Sundries and Surgical trade; must have a thorough knowledge of the business; ineligible. Send full particulars, etc., to 191/22, Office of this Paper.

YOUNG man wanted (ineligible), with some knowledge of Tablet Machinery. Write, stating age, experience, and salary, to R. Gibbins, 1 Birkbeck Road, Kingsland, London, N.E.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.]

RETAIL.

A DOCTOR'S son, 33 (ineligible), experienced, highest credentials, desires post (London), with view to Purchase or Partnership. Apply, 186/20, Office of this Paper.

AS Branch Manager or in other capacity; qualified; ineligible; good appearance and address; best experience. "Chemist," 77 Mansall Street, Basford, Nottingham.

AS Manager, Assistant, Locum; good references and experience, "Chemist," 14 Sutherland Place, Bayswater, W.

BIRMINGHAM.—Chemist in Part-time situation has afternoons and one evening per week at disposal; moderate salary; good references. Apply, 193/36, Office of this Paper.

BRANCH Manager; 20 years' experience; Dispensing and Retail; references; disengaged; over military age. Particulars and salary offered, "Extractor" (192/13), Office of this Paper.

DISENGAGED; unqualified; recently rejected; competent take charge; abstainer; highest credentials; excellent experience; obliging; London or near. Particulars, salary, etc., to Newman, 15 Heston Road, Hampton, Hounslow, Middlesex.

DISPENSER (to-day transferred Army Reservist), desires immediate appointment; permanency or temporary; experienced in Hospital, Doctor's, and Chemist's; N.H.I. Dispensing; qualified (Hall); age 46; single; gentlemanly; personal interview. Smith, 33 Bristow Road, Hounslow, Middlesex.

LADY Dispenser desires post in Liverpool with Doctor, Chemist, or Hospital; experience in England and America; knowledge of Bookkeeping. Apply, 191/28, Office of this Paper.

LOCUM; qualified; experienced; Hospital or Pharmacy; disengaged April 16th. "Pharmacist," Elmwood, Barnsley.

LOCUM Tenens or Temporary; disengaged; over military age; unqualified. "L. T.," 72 Bakewell Street, Coalville, near Leicester.

MANAGER or Locum Tenens; ineligible; qualified. "A. B." (192/3), Office of this Paper.

MANAGER (qualified) desires permanency; country town or seaside preferred; 18 years' experience; good all-round knowledge; just discharged from Army; age 34. "Arturo" (193/13), Office of this Paper.

MANAGER; qualified; first-class experience and record; good organiser; ineligible; disengaged shortly. 192/10, Office of this Paper.

MANAGING position desired by gentleman of wide experience; 50; tall and energetic; or would consider purchase of a Business in healthy residential district within easy reach of London. Apply, 192/20, Office of this Paper.

PHARMACIST (29), ineligible military service, experienced London, West End, City, Suburban, South Coast, etc., desires Locum or temporary berth for summer months; town or country. "H. T.," 12 Wellington Square, Chelsea.

QUALIFIED; 25; rejected; Dispensing and Counter experience. "Chemist," 23 Chelsham Road, Clapham, S.W.

UNQUALIFIED (30), ineligible, married, Dispensing, Counter, etc., capable taking charge, seeks permanency, country town; disengaged shortly. Particulars and salary offered to "Abstainer" (192/16), Office of this Paper.

WAR Stress.—Pharmacist, elderly, 57, retired, fairly active, with initiative and successful career in Dispensing, Light class, and Prescribing, offers services, congenial post; Midlands or South only. Address, "Forward" (191/23), Office of this Paper.

42s. INDOORS, 63s. outdoors, and return fare; as Locum or Manage small business; stout, elderly, experienced man. "Dispenser," 3 Milton Market, Portsmouth.

WHOLESALE.

DEPARTMENTAL Manager; Chemist; 46; salary £300; recommended. Apply, 193/27, Office of this Paper.

REPRESENTATIVE (over military age) seeks new appointment; extensive connection Chemists, Wholesale, Retail, London, South Coast, Home Counties; Sundries, Proprietary articles, Toilet Soaps, Perfumes preferred; only first-class houses entertained. Apply, 192/4, Office of this Paper.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1s. for **12** words or less; **6d.** for every **10** words beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies, or elsewhere abroad.

DOES any firm require the services of reliable and experienced qualified man as Representative in Australia, New Zealand? references exceptional. Apply, 190/28, Office of this Paper.

MISCELLANEOUS.

SECOND-HAND Shop Fittings. — 12 ft. Glass-fronted and Mahogany Serving Counter, £8 15s.; Counter Silent Salesman, with bent front and two plate-glass Shelves, £5 15s.; 7 ft. Mahogany Wall Case, equal to new, £11 10s.; quantity of second-hand Shopfronts, Oils and Syrups, Pill Pots, Tincture Press, etc. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

HIGH PRICES FOR CAMERAS

Original Cost Price for Vest Pocket Kodaks, R.R. Lens, and Watch Pocket Carbines.

Try us for Single Models, Dealers' Stocks, Ensignettes, &c. We reply promptly and courteously, and goods are returned at once. CARRIAGE PAID, if no business is done.

WATSONS, 84 HIGH STREET, SHEFFIELD.

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Strong, once used, for Sale in large quantities, near London.

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10/6 4 Years 5 Columns

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DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED, plain or graduated.
3 and 4 ounce. 6 and 8 ounce.
12 ounce.
WHITE PHIALS, plain or teaspoons.
½ ounce. 1½ ounce.
1 " 2 "

Lowest Market Prices Charged.

BLUE LOTION BOTTLES, all sizes.

CORKS. Superior quality. No advance in price.
6 and 8 ounce ... ... 1s. per gross, in 6 gross bags.
Vials ... ... 10d. per gross, in 3 gross bags.

Delivered free within 7 miles, and to certain stations. Particulars on application.

I. ISAACS & CO., Glass Bottle Manufacturers,
106 Midland Road, St. Pancras, London, N.W.1,
or ISLINGTON BOTTLE COMPANY,
7 New Inn Yard, Tottenham Court Road, London, W.1.
Orders sent to either establishment have attention.
Established 100 years.
Bankers: London County and Westminster Bank, Bloomsbury Branch.

WAR WANTS EXCHANGE.

For the terms upon which announcements are inserted herein see Supplement for March 31, p. xxxv.

FOR DISPOSAL.

Resorcin (191/24) Saccharin, 550, 6 lb. (191/33)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

SELECTION standard medical and surgical works; highly priced; sell absolutely nominal rates; returnable list free. Kemp, Druggist, Horncastle.

DRUGS AND CHEMICALS.

2 doz. each, tablet phenacetin and caffein (A. & H.); tablet phenacetin (B. D. H.); a few dozen 25's, Finegan, Royal Avenue, Belfast.

MISCELLANEOUS.

TEN gross nickel screw-top pomade bottles; what offers? Thos. Horton, 33 Bryn Street, Merthyr Tydvil.

13 strong good grocers' shop canisters, 15 inches high by 11 by 9½, tinned inside, 1s. each; 6 larger, round, 17 inches high, 10 inches diameter; all excellent condition; strong 20 gall. iron storage drum, 10s.; 10 gall. do., 6s. Kemp, Horncastle.

WANTED.

BLOCK liquorice wanted; not in sticks. Apply, 193/38, Office of this Paper.

WANTED, citric acid B.P. in large or small quantities. Address, 191/19, Office of this Paper.

POWDER mixer wanted; Gardner's preferred. "Klox," 54 Darnell Street, Newcastle-on-Tyne.

"SPARKLET bulbs D" refills or empties wanted. Stats price, "Barrow" (248/2), Office of this Paper.

WANTED, second-hand vest pocket Kodak with good lens, or other small pocket camera. Huband, 23 Duke Street, Brighton.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

WANTED, boot-polish tins, to hold about ½ lb.; size about 4 in. by 1 in. We are also buyers of liquid metal-polish tins. Samples and prices to "Brytenup," Polish Works, Preston, Lancs.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO. LTD., 1 New-Street Square, E.C. 4, and Published by the Proprietors at 42 Cannon Street, in the City of London.—April 7, 1917. [68]

Telephone: 4350 LONDON WALL.
Telegraphic Address: "FUERST, GRACE, LONDON."

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Glycerophosphate of Sodium
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GLYCEROPHOSPHATE of SODIUM 75%
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Italy: FRENCH & COTTA, 19 Via S. Vittore al Teatro, Milan.
India: A. P. C. TOLKOWSKY, Dadina Buildings, 107/109 Dhunji St., Bombay.
Japan: L. POISNER, Kawaguchi No. 4, Osaka.
U.S.A.: B. PRESMAN, 39 West 91st Street, New York.

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GIGNOUX FRÈRES & CO.
Manufacturers of Pharmaceutical Preparations.
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Solid Extracts of KOLA, COCA, CINCHONA, GENTIAN, etc.; all pharmaceutical extracts.
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ETHER, 0.720—ANÆSTHETIC ETHER—ABSOLUTE ALCOHOL.
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GELLO-COLOGNE GELLO-LAVANDE
GELLO-MENTHE GELLO-CAMPHRE
GELLO-FIORAVANTI.
METALLINE: a liquid metallic solution for capsuling bottles and vials.

London Agent: **R. Ansay, 44 Wilson St., Finsbury, E.C.**
Telephone: London Wall 3103.
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for all kinds of Medicinal Plants and Herbs.

'Phone: Battersea 1612.
V. A. PICERNO,
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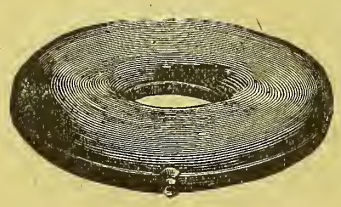

Fig. 1194.

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Fig. 1354.

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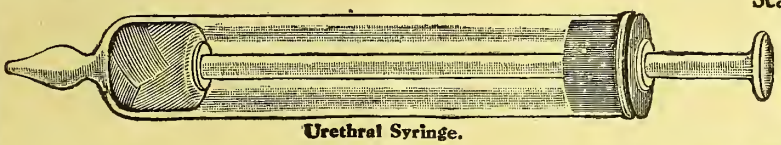
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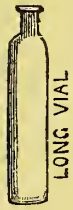

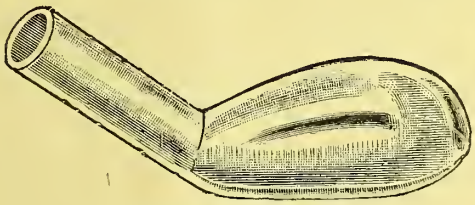
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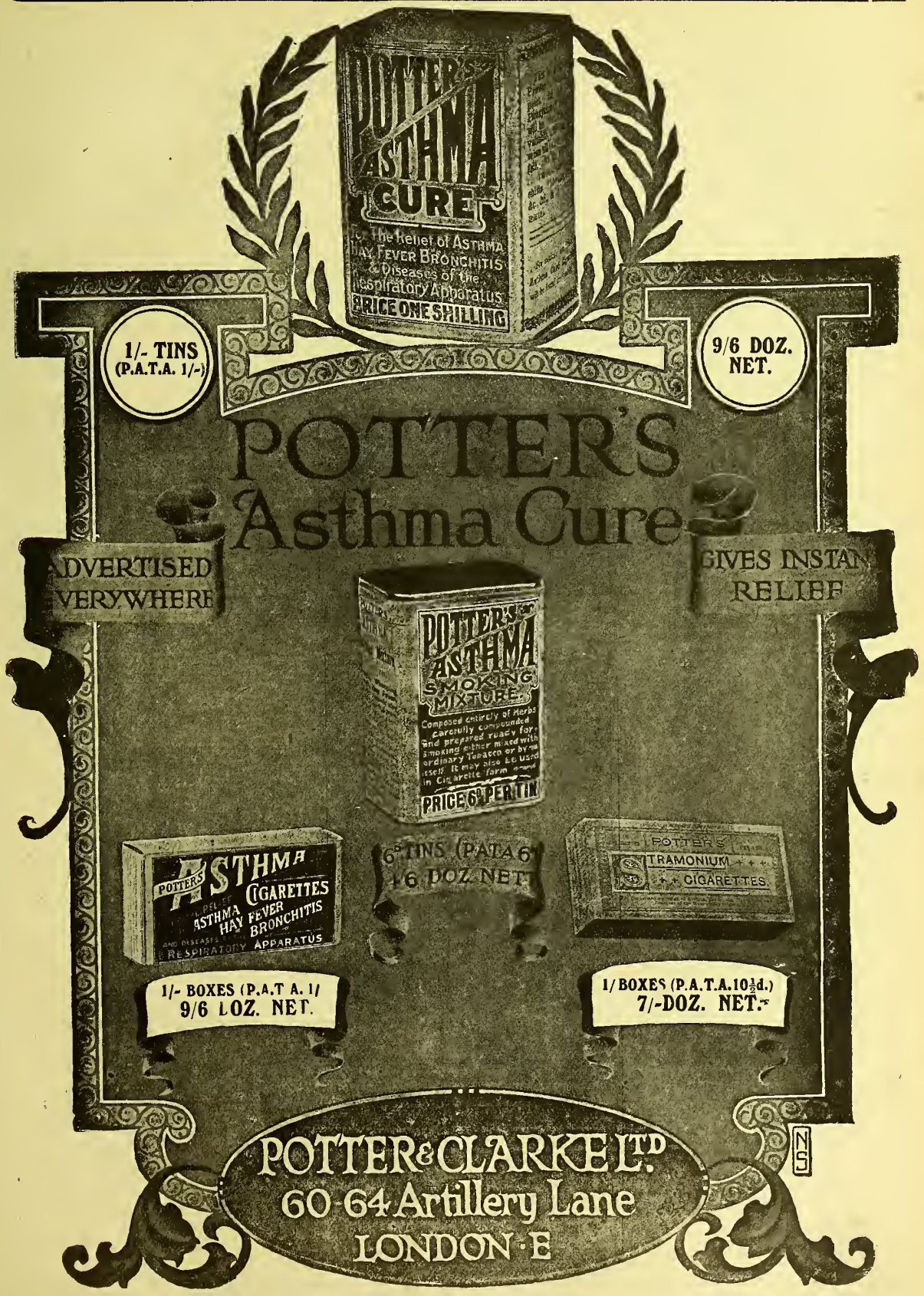

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